TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trcompanies.com

Project Description: Artesia Spring 2022
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Std Only) ___ Two Day ___ 10 Day (Non Only) ___ Three Day
Date Results Needed
Quote #

Pace Analytical

Chain of Custody Page 1 of 2

Lab # LN62270

Table #
Acctnum: TRCA13
Template: T226516
Prelogin: P815432
TSR: 523
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB260OXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions 10S 500ml HDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Residual Chlorine (Y/N)	Sample # (lab only)
MW-6A	Grab	GW				13	x	x	x	x	x	x				x		
MW-85	Grab	GW				11	x	x	x	x	x	x						
MW-86	Grab	GW				12	x	x	x		x	x	x	x				
MW-120	Grab	GW				13	x	x	x	x	x	x				x		
MW-121	Grab	GW				13	x	x	x	x	x	x				x		
MW-84	Grab	GW				11	x	x	x	x	x	x						
MW-122	Grab	GW		4/12/22	1715	13	x	x	x	x	x	x				x		61
MW-81	Grab	GW		4/12/22	1435	11	x	x	x	x	x	x						62
MW-80	Grab	GW		4/12/22	1525	11	x	x	x	x	x	x						63
MW-79	Grab	GW		4/12/22	1615	11	x	x	x	x	x	x						64

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other

Remarks: Shipment #2 Diss. metals are Field-filtered
pH ___ Temp ___
Flow ___ Other ___

Samples received via: UPS ___ FedEx ___ Courier ___
Tracking #

Relinquished by: (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No HCL / MeOH
Scott Ude	4/13/22	0700		
Relinquished by: (Signature)	Date	Time	Received by (Signature)	Temp: 4.6 °C Bottles Received
Relinquished by: (Signature)	Date	Time	Received for lab (Signature)	Date: 4/14/22 Time: 0900 pH

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Austin, TX 78752

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Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2022
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rec Only) ___ Two Day ___ 10 Day (Rec Only) ___ Three Day
Date Results Needed
Quote #

Analysis / Container / Preservative

Chain of Custody — Page ___ of ___

Pace Analytical

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VB28OOXY - 40ml Amb HCl	OROLVI - 40ml Amb-HCl-BT	GRO - 40ml Amb HCl	Total/Diss. Short List Metals	Anions TDS - 500ml HDPE-NoPres	NO2NO3 - 250ml HDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250ml HDPE Amb-NaOH	EDB - 40ml Clr-Na Thio	8270DIOXANE - 100ml Amb-NoPres	
MW-82	Grab	GW				11	x	x	x	x	x	x					
MW-74	Grab	GW		4/12/22	1010	13	x	x	x	x	x	x				x	
MW-73	Grab	GW		4/12/22	925	11	x	x	x	x	x	x					
MW-2A	Grab	GW		4/12/22	1345	11	x	x	x	x	x	x					
MW-72	Grab	GW		4/12/22	1255	11	x	x	x	x	x	x					
OCD-6	Grab	GW		4/12/22	1705	13	x	x	x	x	x	x				x	
OCD-7AR	Grab	GW		4/12/22	1110	11	x	x	x	x	x	x					
MW-78	Grab	GW				11	x	x	x	x	x	x					
RW-#15C	Grab	GW				9	x	x		x	x	x					
MW-48	Grab	GW				11	x	x	x	x	x	x					

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ___ FedEx ___ Courier

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/13/22	0700	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No (HCl / MeOH / TBR)

Temp: ___ °C Bottles Received:

Date/Time: 4/14/22 0700

Hold: ___ Condition: NCF / OK

Lab Use Only
LP: C163277
Table #: TRCATX
Template: T206218
Prelogin: P810556
TSR: 328
PM:
Shipped Via:

Sample # (Lab Only)
AE
LL
09
BA
04
FH

| | | |

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
Collected by (signature): Immediately Packed on Ice: N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed
	Lab Project # TRCATX-ARTESIA
	P.O. # Quote #

Page 4 of 12

Pace Analytical

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260DXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GrO 40mlAmb HC	Total/Diss. Short List Metals	Anions TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EOB - 40mlClr Na Thio	8270DIOXANE - 100ml Amb-NoPres		
MW-76	Grab	GW				13	x	x	x	x	x	x				x		
MW-77	Grab	GW				11	x	x	x	x	x	x						
MW-78	Grab	GW				13	x	x	x	x	x	x				x		
MW-25	Grab	GW				11	x	x	x	x	x	x						
MW-83	Grab	GW				11	x	x	x	x	x	x						
MW-3	Grab	GW				13	x	x	x	x	x	x				x		
MW-88	Grab	GW				11	x	x	x	x	x	x						
MW-22A	Grab	GW				13	x	x	x	x	x	x				x		
MW-10	Grab	GW				11	x	x	x	x	x	x						
MW-123	Grab	GW				13	x	x	x	x	x	x				x		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp_____
Flow _____ Other_____

Sample receipt ver.: ___ UPS ___ FedEx ___ Courier

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/13/22	0700	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	[redacted]

Lab Use Only
Acctnum: TRCATX
Template: T206516
Prelogin: P815556
TSR: 526
PB:
Shipped Via:
Samples Intact

Container Type / Preservative

Condition

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

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Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trcompanies.com

Project Description: Artesia Spring 2022

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VH2600KV - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions TDS - 8/60mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl-NaThio	8270DIOXANE - 100ml Amb-NoPres
MW-4A	Grab	GW				13	x	x	x	x	x	x				x
MW-5A	Grab	GW				11	x	x	x	x	x	x				
MW-7A	Grab	GW				11	x	x	x	x	x	x				
OCD-8A	Grab	GW				12	x	x	x		x	x	x	x		
DUP-EP-01	Grab	GW				11	x	x	x	x	x	x				
DUP-EP-02	Grab	GW				11	x	x	x	x	x	x				
DUP-EP-03	Grab	GW				11	x	x	x	x	x	x				
EB-EP-03	Grab	GW				11	x	x	x	x	x	x				
TRIP BLANK-EP-02	Grab	GW				1	x									

Analysis / Container / Preservative

Chain of Custody Page 5 of 15

Pace Analytical

Lab # 1194137

Acctnum: TRCATX
Template: T206570
Prelogin: P815554
TSR: 523
PB:
Shipped Via:

Remarks:

pH _____ Temp _____
Flow _____ Other _____

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Sample Receipt Checklist
COC Seal Present/Intact: NP
COC Signed/Accurate:
Bottles arrive intact:
Correct bottles used:
Sufficient volume sent:
If Applicable
VOA Zero Headspace:
Preservation Correct/Checked:
RAD Screen <0.5 mR/hr:

Sample Temperature Info
__ IR Gun # _____
__ Cooler _____

TAT:

Relinquished by: (Signature) Scott Ude Date: 4/13/22 Time: 0730 Received by: (Signature)

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: °C

Relinquished by: (Signature) Date: Time: Received by: (Signature) 4/14/22 0900

Trip Blank Received: Yes / No HCL / MeoH

Condition: NCF / OK

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB2600AY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions TDS 500mlHDPE NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-25	Grab	GW				9	x	x		x	x	x						
MW-1R	Grab	GW				9	x	x		x	x	x						
MW-15	Grab	GW				11	x	x	x	x	x	x						
OCD-1R	Grab	GW		4/12/22	1635	11	x	x	x	x	x	x						
OCD-2A	Grab	GW		4/12/22	1550	11	x	x	x	x	x	x						
OCD-3	Grab	GW		4/12/22	1415	13	x	x	x	x	x	x				x		
OCD-4	Grab	GW		4/12/22	1330	11	x	x	x	x	x	x						
MW-11A	Grab	GW		4/12/22	1500	11	x	x	x	x	x	x						
OCD-5	Grab	GW		4/12/22	1240	11	x	x	x	x	x	x						
MW-87	Grab	GW		4/12/22	910	11	x	x	x	x	x	x						

Chain of Custody Page 6 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

LP L1461777

Table #

Acctnum: TRCATX

Template: T206518

Prelogin: P915556

TSR: 526

PB

Shipped Via

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples received via: UPS ✓ FedEx Courier

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/13/22	0700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No HCl / MeoH

Temp: °C

Date: 4/14/22 Time: 0900

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓ Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Preservation Required by Login: Date/Time

Hold:

Condition: NCF / OK

| | | |

| | | |

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

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21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2022
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 9 of 25

Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

LAB # L1137179
Table #
Acctnum: TRCATX
Template: T206518
Prelogin: P915556
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260DXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions - TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
RA-4798	Grab	GW				11	x			x	x	x			x	x	Only Cation	
RA-4196	Grab	GW				11	x			x	x	x			x	x	Only Cation	
RA-3156	Grab	GW				6	x			x	x	x					Only Cation	
RA-313	Grab	GW				8	x			x	x	x				x	Only Cation	
KWB-7	Grab	GW				10	x	x			x	x	x	x				
MW-20	Grab	GW				9	x	x		x	x	x						
NP-1	Grab	GW		4/12/22	1625	11	x			x	x	x			x	x	Only Cation	21
MW-8	Grab	GW		4/12/22	1700	11	x	x	x	x	x	x						22
MW-21	Grab	GW		4/12/22	1605	13	x	x	x	x	x	x				x		23
MW-71	Grab	GW		4/12/22	1540	15	x	x			x	x	x	x	x	x		24

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
RA-4798,RA-4196,RA-3156,RA-313,NP-1 reporting Cations from Metals bottle.

pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___ UPS ✓ FedEx ___ Courier
Tracking #

Sample Receipt Checklist ✓
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/13/22	0700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Date: Time:
			[illegible]	4/14/22 0900

Hold: Conditions: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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21 Griffin Road North
Windsor, CT 06095
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Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2022
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed:
Quote #

Analysis / Container / Preservative

Pace Analytical

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VH2560DW - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions 105 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl- NaThio	8270DIOXANE - 100ml Amb-NoPres	Lab #	Sample # (lab only)
MW-68	Grab	GW		4/12/22	985	9	x	x		x	x	x						30
MW-27	Grab	GW		4/12/22	935	9	x	x		x	x	x						31
MW-69	Grab	GW		4/12/22	1135	9	x	x		x	x	x						32
MW-16	Grab	GW		4/12/22	1230	9	x	x		x	x	x						33
MW-26	Grab	GW		4/12/22	1345	9	x	x		x	x	x						34
KWB-11A	Grab	GW				17	x	x	x		x	x	x	x	x	x		
KWB-11B	Grab	GW				17	x	x	x		x	x	x	x	x	x		
MW-115	Grab	GW				11	x	x	x	x	x	x						
MW-114	Grab	GW				10	x	x	x	x	x	x			x	x		
MW-125	Grab	GW				11	x	x	x	x	x	x						

Account: TRCATX
Template: T206510
Prelogin: P915856
TSR: 526
PO:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via: ___ UPS ___ FedEx ___ Courier

Relinquished by: (Signature) Scott Ude — Date: 4/13/22 — Time: 0700
Received for Lab by: (Signature)

Relinquished by: (Signature) — Date: — Time:
Received by: (Signature)

Relinquished by: (Signature) — Date: — Time:
Received by: (Signature) — Date: 04/14/22 — Time: 0900

Chain of Custody — Page 11 of 25

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Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

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Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia)
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed

Lab Project #: TRCATX-ARTESIA
P.O. #:
Quote #:

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260 (VOC) 40ml Amb HCl	DROLVI- 40ml Amb-HCl-BT	GRO 40ml Amb HCl	Total/Diss. Short List Metals	Anions, TDS 500ml HDPE-NoPres	NO2NO3 - 250ml HDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250ml HDPE Amb-NaOH	EDB 40ml Clr-Na Thio	8270 DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
DUP-REST-01	Grab	GW				16	x	x	x	x	x	x			x	x		
EB-REST-01	Grab	GW				16	x	x	x	x	x	x			x	x		
DUP-REST-03	Grab	GW				13	x	x	x	x	x	x				x		
EB-REST-03	Grab	GW				13	x	x	x	x	x	x				x		
TRIP BLANK-REST-01	Grab	GW				1	x											
TRIP BLANK-TMD-01	Grab	GW		4/12/22	—	1	x											33

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: ___ UPS ___ FedEx ___ Courier ___ Client

Tracking #:

	Date:	Time:		
Relinquished by: (Signature) Scott Ude	4/13/22	0700	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/22 Time: 0900

Hold: Condition: NCF / OK

| | | |

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Quote # Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB250OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~MW-131~~	~~Grab~~	~~GW~~				~~11~~	x	x	x	x	x	x					LNAPL	
~~KWB-5~~	~~Grab~~	~~GW~~				~~9~~	x	x		x	x	x					LNAPL	
~~MW-111~~	~~Grab~~	~~GW~~				~~16~~	x	x	x	x	x	x			x	x	LNAPL	
~~KWB-6~~	~~Grab~~	~~GW~~				~~12~~	x	x		x	x	x			x	x	LNAPL	
~~MW-112~~	~~Grab~~	~~GW~~				~~11~~	x	x	x	x	x	x					LNAPL	
~~MW-132~~	~~Grab~~	~~GW~~				~~11~~	x	x	x	x	x	x					LNAPL	
MW-57	Grab	GW		4/12/22	1135	11	x	x	x	x	x	x						41
~~RW-#11-0~~	~~Grab~~	~~GW~~				~~9~~	x	x		x	x	x					Well Dry	
~~KWB-12A~~	~~Grab~~	~~GW~~				~~12~~	x	x	x		x	x	x	x			Well Dry	
KWB-12B	Grab	GW		4/12/22	1025	12	x	x	x		x	x	x	x				42

Chain of Custody Page 13 of 25

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National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

LAB # L1492977

Table #

Acctnum: TRCATX

Template: T206518

Prelogin: P915556

TSR: 526

PB

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via: ___ UPS ✓ FedEx ___ Courier

Tracking #:

Relinquished by : (Signature) Scott Ude	Date: 4/13/22	Time: 0700	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/22 Time: 0900

Sample Chain of Custody Checklist

COC Signed/Accurate:	YES	
Bottles arrive intact:	YES	
Correct bottles used:	YES	
Sufficient volume sent:	YES	
If Applicable		
VOA Zero Headspace:		
Preservation Correct/Checked:		

pH Strips Lot#: HC 220422

Preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trcompanies.com

Project Description: Artesia Spring 2022

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260DCY - 4mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	CHO - AumlAmb-HCl	Total/Diss. Short List Metals	Anions TDS - 500ml FDVE-NuPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NuPres	Lab #
~~KWB-2ft~~	~~Grab~~	~~GW~~		4/12/22		11	*	*		*	*	*				*	LNAPL
~~MW-58~~	~~Grab~~	~~GW~~				10	*	*				*	*	*			
KWB-13	Grab	GW		4/12/22	1400	10	*	*			*	*	*	*			47
DUP-REST-05	Grab	GW		4/12/22	1200	11	*	*	*	*	*	*					44
EB-REST-05	Grab	GW		4/12/22	1045	11	*	*	*	*	*	*					45
TRIP BLANK-REST-02	Grab	GW				1	*										35

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Biossay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ___ FedEx ___ Courier

Relinquished by: (Signature) Scott Ude — Date: 4/13/22 — Time: 0700

Received by: (Signature)

Relinquished by: (Signature) — Date: — Time:

Received by: (Signature)

Relinquished by: (Signature) — Date: — Time:

Received by: (Signature) — Date: 4/13/22 — Time: 0800

Pace Analytical

Lab # 11612377

Table #

Acctnum: TRCATA

Template: T205310

Prelogin: P915518

TSR: 320

PB

Shipped Via

Sample # (lab only)

Container Type / Preservative

Chain of Custody Page 1 of 2

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report To: Julie Speer	Email To: jspeer@trcompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia) P.O. #:
Collected by (signature): Immediately Packed on Ice N ___ Y ___	Rush? (Lab MUST Be Notified) ___ Same Day ___ Next Day ___ Two Day ___ Three Day Quote # Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VIII2500XY - 40mlAmb-HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl-NaThio	8270DIOXANE - 100ml Amb-NoPres
MW-103	Grab	GW				17	x	x	x	x	x	x				x
MW-104	Grab	GW				13	x	x	x	x	x	x				
MW-64	Grab	GW				11	x	x	x	x	x	x				
MW-65	Grab	GW				11	x	x	x	x	x	x				
RW-5R	Grab	GW				9	x	x		x	x	x				
MW-102	Grab	GW				16	x	x	x	x	x	x			x	x
TW-4	Grab	GW				9	x	x		x	x	x				
RW-6	Grab	GW				9	x	x		x	x	x				
MW-99	Grab	GW				11	x	x	x	x	x	x				
MW-66	Grab	GW				12	x	x	x		x	x	x	x		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Biosolids
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Sample # (lab only)

Relinquished by - (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/13/22	0700	
Relinquished by - (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by - (Signature)	Date:	Time:	

Pace Analytical

Lab # 6149320

Acctnum: TRCATX

Template: T206518

Prelogin: P915649

TSR: 523

PB:

Shipped Via:

Sample # (lab only)

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #	Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia)	P.O. #
Collected by (signature): Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote #	Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260DXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	B270DIOXANE - 100ml Amb-NoPres	
MW-28	Grab	GW				14	x	x	x	x	x	x	x	x		x	
MW-59	Grab	GW				11	x	x	x	x	x	x					
MW-60	Grab	GW				17	x	x	x		x	x	x	x	x	x	LNAPL
MW-107	Grab	GW				11	x	x	x	x	x	x					
MW-128	Grab	GW				13	x	x	x	x	x	x				x	
MW-116	Grab	GW		4/12/22	1630	11	x	x	x	x	x	x					46
MW-46R	Grab	GW		4/12/22	1655	9	x	x		x	x	x					41
HW-#18A	Grab	GW				7	x			x	x	x					Well Dry
MW-145	Grab	GW		4/12/22	1405	10	x	x	x	x	x						48
MW-146	Grab	GW		4/12/22	1150	10	x	x	x	x	x						49

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

	Date	Time			
Relinquished by: (Signature) Scott Ude	4/13/22	0700	Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)	Temp: °C	
Relinquished by: (Signature)				Date: 4/14/22	Time: 0940

Pace Analytical

Lab # LIVA2M

Table #

Acctnum: TRCATX

Template: T206518

Prelogin: P915545

TSR: 576

PB:

Shipped Via:

Sample #	Container Type

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Quote # Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 17 of 25

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Phone: 800-767-5859
Fax: 615-758-5859

LR 194237

Table #

Acctnum: TRCATX

Template: T206518

Prelogin: P915556

TSR: 526

PB

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC260DOXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	CRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-135	Grab	GW		4/12/22	1225	13	x	x	x	x	x	x				x		56
MW-147	Grab	GW		4/12/22	1320	10	x	x	x	x	x							51
MW-148	Grab	GW		4/12/22	1410	10	x	x	x	x	x							52
~~UG-3R~~	Grab	GW				12	x	x	x		x	x	x	x				
~~UG-4~~	Grab	GW				12	x	x	x		x	x	x	x				
~~UG-1~~	Grab	GW				14	x	x	x		x	x	x	x		x		
~~UG-2~~	Grab	GW				12	x	x			x	x	x	x				
DUP-REST-02	Grab	GW				16	x	x	x	x	x	x			x	x		
EB-REST-02	Grab	GW				16	x	x	x	x	x	x			x	x		
DUP-REST-04	Grab	GW		4/12/22	1200	10	x	x	x	x	x							53

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: UPS ✓ FedEx ___ Courier

Tracking #

Sample Receipt Checklist
Custody Seals Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature) Scott Ude	Date: 4/13/22	Time: 0700	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/22 Time: 0900 Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2022

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB260DIOXY - 40mlAmb HCl	DRDLVI - 40mlAmb-HCl-BT	GRO - 40 mlAmb HCl	Total/Diss Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres
EB-REST-04	Grab	GW		4/12/22	1115	10	x	x	x	x	x					
TRIP BLANK-REST-03	Grab	GW		4/12/22	—	1	x									

Analysis / Container / Preservative

Chain of Custody

Pace Analytical

Lab # L1507377

Table #

Acctnum: TRCATX
Template: T206510
Prelogin: P915555
TSR: 520
PB:
Shipped Via:

Remarks:

pH ____ Temp ____
Flow ____ Other ____

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other ____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/13/22	0700	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			Date: 4/14/22 Time: 0900

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.c
om

Report to: Julie Speer
Email to: jspeer@trccompanies.com

Project Description: Artesia Spring 2022
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	VB2600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-DT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions: TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlC-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	
MW-101	Grab	GW				13	x	x	x	x	x	x				x	No SVOCs
MW-105	Grab	GW				11	x	x	x	x	x	x				x	
RW-2	Grab	GW				15	x	x	x	x	x	x				x	
MW-61	Grab	GW				15	x	x	x	x	x	x				x	
MW-62	Grab	GW		4/12/22	1305	18	x	x	x	x	x	x			x	x	
MW-62R	Grab	GW		4/12/22	1405	12	x	x	x	x	x	x					
MW-93	Grab	GW				16	x	x	x	x	x	x				x	
MW-43	Grab	GW				19	x	x	x		x	x	x	x	x	x	No 1,4-D
MW-137	Grab	GW				14	x	x	x		x	x	x	x			
MW-137A	Grab	GW				12	x	x	x		x	x	x	x			

* Matrix
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Biosolids
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Relinquished by: (Signature) Scott Ude — Date: 4/13/22 — Time: 0730
Relinquished by: (Signature) — Date: — Time:
Relinquished by: (Signature) — Date: — Time:

Received by: (Signature)
Received by: (Signature)
Received by: (Signature) — Date: 4/14/22 — Time: 0730

Analysis / Container / Preservative

Chain of Custody — Page 1 of 2

Pace Analytical

Lab # 1677117
Table #
Acctnum: TRCATX
Template: T205518
Prelog: 191555
PB: 526
Shipped Via:
Remarks: No SVOCs
Sample # / Container Type

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2022

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 20 of 25

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Mount Juliet, TN 37122
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Fax: 615-758-5859

PM: L1492377

Table #

Acctnum: TRCATX

Template: T206518

Prelogin: P915556

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	Remarks	Sample # (lab only)
MW-138	Grab	GW				16	x	x	x		x	x	x	x		x	LNAPL	
MW-138A	Grab	GW				12	x	x	x		x	x	x	x			LNAPL	
MW-23	Grab	GW				15	x	x	x	x	x	x				x	LNAPL	
TEL-4	Grab	GW		4/12/22	925	13	x	x	x	x	x	x				x	No SVOCs	58
TEL-3	Grab	GW				11	x	x	x	x	x	x					LNAPL	
TEL-2	Grab	GW				11	x	x	x	x	x	x					LNAPL	
TEL-1	Grab	GW				11	x	x	x	x	x	x					LNAPL	
MW-39	Grab	GW				13	x	x	x	x	x	x				x	No SVOCs	LNAPL
MW-98	Grab	GW		4/12/22	1035	11	x	x	x	x	x	x						59
RW-10	Grab	GW				13	x	x	x	x	x	x				x	No SVOCs	LNAPL

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ✓ ___N
COC Signed/Accurate: ___Y ✓ ___N
Bottles Arrive Intact: ___Y ✓ ___N
Correct Bottles Used: ___Y ✓ ___N
Sufficient Volume Sent: ___Y ✓ ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Samples returned via: UPS ✓ FedEx ___ Courier ___

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/13/22	0700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/22 Time: 0910

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX 505 E. Huntland Dr. Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trcompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
Collected by (signature): Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed

Lab Project #	Pace Analytical
TRCATX-ARTESIA	Lab # L1472977
P.O.#	Table #
Quote #	Acctnum: TRCATX Template: T204518 Prelogin: P911595 TSR: 520 PB:
	Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB260OXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRD - 40mlAmb HCl	Total/Diss, Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-40	Grab	GW				13	x	x	x	x	x	x				x		
MW-41	Grab	GW				13	x	x	x	x	x	x				x		
RW-9	Grab	GW				16	x	x	x	x	x	x			x	x		
MW-42	Grab	GW		4/12/22	1680	13	x	x	x	x	x	x				x		L4
MW-29	Grab	GW		4/12/22	1455	13	x	x	x	x	x	x				x		4
RW-#16B	Grab	GW				11	x	x	x	x	x	x				x	Well Dry	
MW-56	Grab	GW				9	x	x		x	x	x						
MW-49	Grab	GW				14	x	x	x		x	x	x	x		x		
MW-106	Grab	GW				12	x	x	x	x	x	x				x		
MW-45	Grab	GW				12	x	x			x	x	x	x		x		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____
Flow ____ Other ____

Sample Receipt Checklist
COC Seal Present/Intact: NP
COC Signed/Accurate: ✓
Bottles arrive intact: ✓
Correct bottles used: ✓
Sufficient volume sent: ✓
If Applicable
VOA Zero Headspace: ✓
Preservation Correct/Checked: ✓

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/13/22	0730	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			Date: 4/14/22 Time: 0800

Temp: °C
Bottles Received:
If preservation required by Login: Date/Time

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ / Y ___	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB250DXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	B270DIOXANE - 100ml Amb-NoPres		
DUP-TEL-01	Grab	GW		4/12/22	0900	13	X	X	X	X	X	X				X		02
EB-TEL-01	Grab	GW		4/12/22	1340	13	X	X	X	X	X	X				X		03
TRIP BLANK-REST-04	Grab	GW				1	X											04
TRIP BLANK-TEL-01	Grab	GW		4/12/22	—	1	X											05

Lab: 117853

Table #

Acctnum: TRCATX

Template: T206218

Prelogin: P916809

TSP: GZG

PM:

Shipped Via:

Sample # / Container Id | Preservative Type | Lot # | Analysis Requested

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Biossay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Sample Receipt Checklist

COC Seal Present/Intact: NP / Y / N

COC Signed/Accurate: Y / N

Bottles arrive intact: Y / N

Correct bottles used: Y / N

Sufficient volume sent: Y / N

If Applicable

VOA Zero Headspace: Y / N

Preservation Correct/Checked: Y / N

RAD Screen <0.5 mR/hr: Y / N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/13/22	0700		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date/Time: 4/14/22 0900 pH Checked: NCF / OK

Chain of Custody Page 23 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Quote # Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VH2600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270/8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-139	Grab	GW		4/12/22	1410	13	x	x	x	x	x	x				x	No SVOCs	65
MW-50	Grab	GW		4/12/22	1300	14	x	x		x	x	x			x	x	No SVOCs	66
~~MW-97~~	~~Grab~~	~~GW~~				~~13~~	x	x	x	x	x	x				x	~~No 1,4-D~~	~~No Nitrs~~
~~MW-92~~	~~Grab~~	~~GW~~				~~13~~	x	x	x	x	x	x				x	~~No SVOCs~~	~~LNAPL~~
~~RW-1~~	~~Grab~~	~~GW~~				~~13~~	x	x	x	x	x	x				x	~~No SVOCs~~	~~LNAPL~~
~~MW-91~~	~~Grab~~	~~GW~~				~~13~~	x	x	x	x	x	x				x	~~No SVOCs~~	~~LNAPL~~
MW-90	Grab	GW		4/12/22	1310	13	x	x	x	x	x	x				x	No SVOCs	67
MW-96	Grab	GW		4/12/22	1200	11	x	x	x	x	x	x						68
~~MW-94~~	~~Grab~~	~~GW~~				~~13~~	x	x	x	x	x	x				x	~~No SVOCs~~	~~LNAPL~~
~~RW-8~~	~~Grab~~	~~GW~~				~~14~~	x	x		x	x	x			x	x	~~No SVOCs~~	~~LNAPL~~

Lab # L1492577

Table #

Acctnum: TRCATX

Template: T206818

Prelogin: P915556

TSR: 526

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via: ___ UPS ___ FedEx ___ Courier

Tracking #

Relinquished by: (Signature) Scott Ude	Date: 4/13/22	Time: 0700	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	Pres Chk
Report to: Julie Speer	Email To: jspeer@trccompanies.com	
Project Description: Artesia Spring 2022	City/State Collected: Artesia, NM	
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA	
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)	P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed	Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~MW-67~~	Grab	GW				14	x	x	x		x	x	x	x		x	LNAPL	
~~MW-95~~	Grab	GW				11	x	x	x	x	x	x					LNAPL	
~~RW-7~~	Grab	GW				11	x	x	x	x	x	x					LNAPL	
~~NCL-34A~~	Grab	GW				9	x	x		x	x	x					LNAPL	
NCL-33	Grab	GW		4/12/22	1145	9	x	x		x	x	x						69
NCL-44	Grab	GW		4/12/22	1010	9	x	x		x	x	x						70
NCL-32	Grab	GW		4/12/22	1100	9	x	x		x	x	x						71
MW-108	Grab	GW		4/12/22	1100	14	x	x		x	x	x			x	x		72
NCL-31	Grab	GW		4/12/22	1535	11	x	x		x	x	x				x		73
MW-55	Grab	GW		4/12/22	1415	12	x	x	x		x	x	x	x				74

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Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

LAB # L1437320
Table #
Acctnum: TRCATX
Template: T206518
Prelogin: P915556
TSR: 526
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Samples returned via: UPS ✓ FedEx ___ Courier _____
Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Scott Ude	4/13/22	0700				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/22	Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2022
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HM Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB360OXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total/Diss Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EC01 - 40mlClr-NaThio	B270DIOXANE - 100ml Amb-NoPres	Work Dry	
RW-17A	Grab	GW				13	*	*		*	*	*		1		*		
MW-16	Grab	GW		4/12/22	1230	10	*	*			*	*	*	*				75
MW-54A	Grab	GW		4/12/22	1550	11	*	*		*	*	*				*		76
NCL-49	Grab	GW		4/12/22	1325	11	*	*		*	*	*				*		77
MW-53R	Grab	GW		4/12/22	1430	11	*	*		*	*	*				*		74
DUP-NCL-01	Grab	GW		4/12/22	1900	11	*	*		*	*	*				*		75
EB-NCL-01	Grab	GW		4/12/22	1345	11	*	*		*	*	*				*		78
TRIP BLANK-NCL-01	Grab	GW		4/11/22	—	1	*											71

Analysis / Container / Preservative
3 | 4 | 2 | 1

Chain of Custody Page ___ of ___
Pace Analytical
PM: TRCATX
Template: T206515
Prelogin: P874455
SDG
LAB # 1452771

* Matrix
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Relinquished by: (Signature) Scott Ude — Date: 4/13/22 — Time: 0700 — Received by: (Signature)
Relinquished by: (Signature) — Date: — Time: — Received by: (Signature)
Relinquished by: (Signature) — Date: — Time: — Received by: (Signature) — Date: 4/14/22 — Time: 0800

Released to Imaging: 10/3/2023 9:42:06 AM
Received by OCD: 6/14/2023 2:10:34 PM

Tracking Numbers		Temperature
5671 5382 4558		2.9
5719 6175 2889		1.0
5719 6175 6450		0.2
5719 6175 7402		2.5
5671 5382 5624		1.2
5671 5382 5667		1.0

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Received by OCD: 6/14/2023 2:10:34 PM

Tracking Numbers		Temperature
5719 6175 2915		2.1
5719 6175 2926		1.6
5719 6175 8590		3.3
5671 5382 6635		0.5
5719 6175 3430		1.0
5671 5382 5646		5.6

Released to Imaging: 10/3/2023 9:42:06 AM
Received by OCD: 6/14/2023 2:10:34 PM

Tracking Numbers	[redacted]	Temperature
5719 6175 0510		2.9
5719 6175 8589		3.2
5719 6175 2874		2.9
5719 6175 6047		3.4
5719 6175 6532		2.5
5719 6175 3446		1.3

ANALYTICAL REPORT

January 26, 2023

Revised Report

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

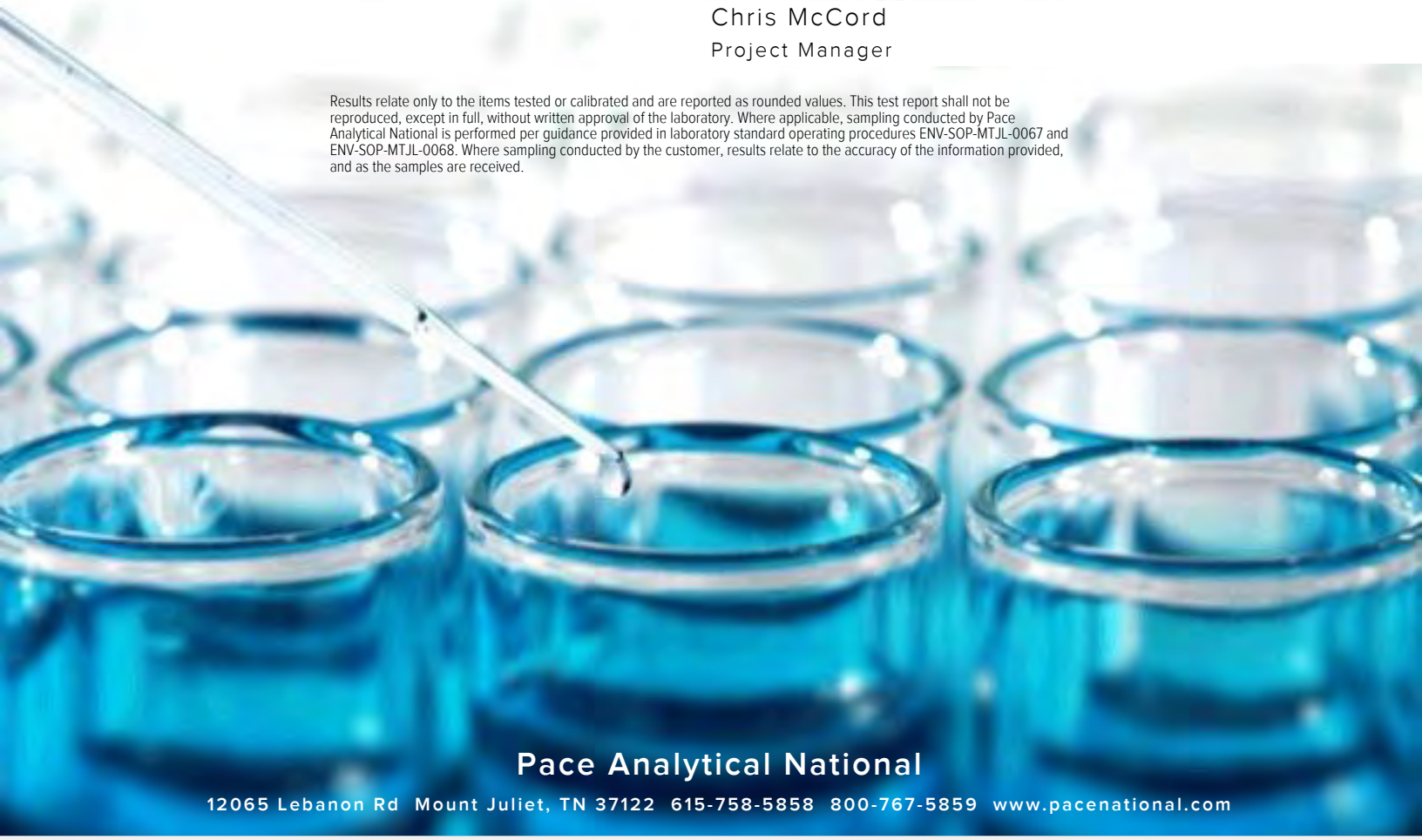
TRC Solutions - Austin, TX

Sample Delivery Group:	L1546101
Samples Received:	10/13/2022
Project Number:	
Description:	Artesia Fall 2022
Site:	(NAVAJO-ARTESIA)
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MW-109 L1546101-42 84
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MW-21 L1546101-51 100
KWB-11A L1546101-52 102
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MW-119 L1546101-65 128
MW-136 L1546101-66 130
MW-126B L1546101-67 133
KWB-1A L1546101-68 135
KWB-12A L1546101-69 138
KWB-12B L1546101-70 141
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EB-REST-05 L1546101-72 147
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MW-50 L1546101-103 210
MW-90 L1546101-104 212
MW-96 L1546101-105 214
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MW-108 L1546101-110 225
NCL-31 L1546101-111 227
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Released to Imaging: 10/3/2023 9:42:06 AM

MW-120 L1546101-01 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:40	10/18/22 20:40	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 20:07	10/17/22 20:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	100	10/17/22 20:23	10/17/22 20:23	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	10	10/31/22 08:38	10/31/22 18:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945794	1	10/20/22 10:21	10/20/22 10:21	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	1	10/20/22 09:48	10/20/22 09:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 16:04	DMG	Mt. Juliet, TN

MW-121 L1546101-02 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:42	10/18/22 20:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 20:39	10/17/22 20:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	100	10/17/22 20:55	10/17/22 20:55	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	1	10/31/22 08:38	10/31/22 20:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/18/22 21:56	10/18/22 21:56	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 16:24	DMG	Mt. Juliet, TN

MW-84 L1546101-03 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	5	10/18/22 20:43	10/18/22 20:43	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 21:11	10/17/22 21:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	100	10/17/22 21:27	10/17/22 21:27	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	5	10/31/22 08:38	10/31/22 20:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945794	1	10/20/22 10:43	10/20/22 10:43	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	5	10/18/22 14:14	10/19/22 19:26	DMG	Mt. Juliet, TN

MW-122 L1546101-04 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:44	10/18/22 20:44	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 21:43	10/17/22 21:43	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	1	10/31/22 08:38	10/31/22 20:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/18/22 22:18	10/18/22 22:18	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 16:45	DMG	Mt. Juliet, TN

MW-79 L1546101-05 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:45	10/18/22 20:45	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 22:15	10/17/22 22:15	GEB	Mt. Juliet, TN

MW-79 L1546101-05 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1943633	100	10/17/22 23:02	10/17/22 23:02	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	5	10/31/22 08:38	10/31/22 20:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/18/22 22:40	10/18/22 22:40	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 17:05	DMG	Mt. Juliet, TN

MW-74 L1546101-06 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:45 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:54	10/18/22 20:54	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 23:18	10/17/22 23:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	100	10/17/22 23:34	10/17/22 23:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	10	10/31/22 08:38	10/31/22 20:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	10	10/19/22 02:15	10/19/22 02:15	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	10	10/18/22 14:14	10/19/22 20:27	DMG	Mt. Juliet, TN

MW-2A L1546101-07 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:56	10/18/22 20:56	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	10	10/17/22 23:50	10/17/22 23:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943633	100	10/18/22 00:06	10/18/22 00:06	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947703	10	10/31/22 08:38	10/31/22 20:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/18/22 23:02	10/18/22 23:02	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 17:25	DMG	Mt. Juliet, TN

OCD-6 L1546101-08 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 20:59	10/18/22 20:59	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	100	10/15/22 15:42	10/15/22 15:42	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:18	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	5	10/31/22 08:16	11/01/22 11:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/18/22 23:24	10/18/22 23:24	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 17:45	DMG	Mt. Juliet, TN

OCD-7AR L1546101-09 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:01	10/18/22 21:01	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	100	10/15/22 15:58	10/15/22 15:58	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:31	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	5	10/31/22 08:16	11/01/22 11:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	10	10/19/22 02:37	10/19/22 02:37	BAM	Mt. Juliet, TN

OCD-7AR L1546101-09 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/11/22 13:50	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	5	10/18/22 14:14	10/19/22 20:06	DMG	Mt. Juliet, TN

MW-130 L1546101-10 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/12/22 13:10	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:02	10/18/22 21:02	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/15/22 16:15	10/15/22 16:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/15/22 16:32	10/15/22 16:32	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:35	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/18/22 23:46	10/18/22 23:46	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	1	10/16/22 05:27	10/16/22 05:27	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 18:05	DMG	Mt. Juliet, TN

EB-EP-01 L1546101-11 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/11/22 15:00	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:03	10/18/22 21:03	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/15/22 22:45	10/15/22 22:45	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:10	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 12:50	10/19/22 12:50	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 14:09	MAA	Mt. Juliet, TN

EB-EP-04 L1546101-12 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/11/22 10:55	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:04	10/18/22 21:04	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/16/22 02:59	10/16/22 02:59	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:52	RDS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	11/01/22 16:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 13:12	10/19/22 13:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 14:29	MAA	Mt. Juliet, TN

TRIP BLANK-EP-01 L1546101-13 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/11/22 00:00	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 17:05	10/15/22 17:05	JAH	Mt. Juliet, TN

MW-76 L1546101-14 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945498	1	10/19/22 15:38	10/19/22 16:54	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:10	10/18/22 21:10	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	20	10/16/22 03:16	10/16/22 03:16	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/25/22 23:23	10/25/22 23:23	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	10	10/19/22 12:16	10/21/22 06:24	MAA	Mt. Juliet, TN

MW-75 L1546101-15 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:45 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:11	10/18/22 21:11	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 13:00	10/14/22 13:00	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 13:16	10/14/22 13:16	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	10/31/22 20:44	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	10	10/19/22 17:14	10/19/22 17:14	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	10	10/19/22 12:16	10/21/22 06:03	MAA	Mt. Juliet, TN

MW-83 L1546101-16 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	5	10/18/22 21:12	10/18/22 21:12	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 13:33	10/14/22 13:33	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 15:32	10/14/22 15:32	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	1	10/31/22 07:31	10/31/22 23:38	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	1	10/31/22 07:31	11/01/22 15:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 13:34	10/19/22 13:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	10	10/19/22 12:16	10/21/22 06:44	MAA	Mt. Juliet, TN

MW-3 L1546101-17 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:13	10/18/22 21:13	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 13:50	10/14/22 13:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 15:49	10/14/22 15:49	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	10/31/22 23:41	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 15:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/25/22 23:45	10/25/22 23:45	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 16:32	MAA	Mt. Juliet, TN

MW-88 L1546101-18 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	10/31/22 23:44	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 15:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 13:56	10/19/22 13:56	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 14:49	MAA	Mt. Juliet, TN

MW-22A L1546101-19 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:15	10/18/22 21:15	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 14:07	10/14/22 14:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 16:06	10/14/22 16:06	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	10/31/22 20:58	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 14:18	10/19/22 14:18	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 15:09	MAA	Mt. Juliet, TN

MW-10 L1546101-20 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 15:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:16	10/18/22 21:16	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 14:24	10/14/22 14:24	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 16:22	10/14/22 16:22	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	10/31/22 21:01	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 14:40	10/19/22 14:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 15:29	MAA	Mt. Juliet, TN

MW-123 L1546101-21 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 11:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:17	10/18/22 21:17	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 14:41	10/14/22 14:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 16:39	10/14/22 16:39	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	10/31/22 20:07	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/26/22 00:07	10/26/22 00:07	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 15:49	MAA	Mt. Juliet, TN

MW-4A L1546101-22 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942629	1	10/18/22 21:18	10/18/22 21:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 16:56	10/14/22 16:56	GEB	Mt. Juliet, TN

MW-4A L1546101-22 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	10/31/22 23:47	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 15:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	10	10/19/22 18:20	10/19/22 18:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/26/22 00:29	10/26/22 00:29	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	10	10/19/22 12:16	10/21/22 05:43	MAA	Mt. Juliet, TN

MW-5A L1546101-23 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:05	10/18/22 22:05	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 18:08	10/14/22 18:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 18:59	10/14/22 18:59	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	10/31/22 21:08	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/26/22 00:51	10/26/22 00:51	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 16:12	MAA	Mt. Juliet, TN

MW-7A L1546101-24 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:06	10/18/22 22:06	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 19:16	10/14/22 19:16	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 19:33	10/14/22 19:33	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	10/31/22 21:11	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 15:02	10/19/22 15:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 15:21	10/16/22 15:21	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/21/22 22:24	MAA	Mt. Juliet, TN

OCD-8A L1546101-25 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 08:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:11	10/18/22 22:11	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1942622	1	10/20/22 08:01	10/20/22 15:43	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 19:50	10/14/22 19:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 20:06	10/14/22 20:06	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:05	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947665	1	10/25/22 15:37	10/27/22 09:00	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 00:03	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/26/22 01:13	10/26/22 01:13	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/21/22 21:43	MAA	Mt. Juliet, TN

DUP-EP-01 L1546101-26 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 08:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:13	10/18/22 22:13	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 20:23	10/14/22 20:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 20:40	10/14/22 20:40	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 00:08	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 15:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 15:24	10/19/22 15:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 15:43	10/16/22 15:43	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 17:53	MAA	Mt. Juliet, TN

DUP-EP-02 L1546101-27 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:18	10/18/22 22:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 20:57	10/14/22 20:57	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 21:14	10/14/22 21:14	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 00:11	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 16:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948856	1	10/26/22 01:35	10/26/22 01:35	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/21/22 22:04	MAA	Mt. Juliet, TN

DUP-EP-03 L1546101-28 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:19	10/18/22 22:19	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 21:31	10/14/22 21:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 22:22	10/14/22 22:22	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 00:14	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 16:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 15:46	10/19/22 15:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 18:13	MAA	Mt. Juliet, TN

EB-EP-03 L1546101-29 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 11:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:23	10/18/22 22:23	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	1	10/14/22 22:39	10/14/22 22:39	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	1	10/31/22 07:31	11/01/22 00:18	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	1	10/31/22 07:31	11/01/22 16:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 16:08	10/19/22 16:08	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 18:33	MAA	Mt. Juliet, TN

TRIP BLANK-EP-02 L1546101-30 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 14:16	10/16/22 14:16	JCP	Mt. Juliet, TN

OCD-1R L1546101-31 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:24	10/18/22 22:24	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/14/22 23:30	10/14/22 23:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/14/22 23:47	10/14/22 23:47	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 00:21	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 16:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 16:30	10/19/22 16:30	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 18:54	MAA	Mt. Juliet, TN

OCD-2A L1546101-32 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 08:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 00:31	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	5	10/31/22 07:31	11/01/22 16:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 04:50	10/20/22 04:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944849	1	10/19/22 12:16	10/20/22 19:14	MAA	Mt. Juliet, TN

OCD-3 L1546101-33 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947705	1	10/31/22 07:31	11/01/22 00:34	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	1	10/31/22 07:31	11/01/22 16:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 05:12	10/20/22 05:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 02:08	DMG	Mt. Juliet, TN

OCD-4 L1546101-34 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 01:24	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 16:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 05:34	10/20/22 05:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 02:28	DMG	Mt. Juliet, TN

MW-11A L1546101-35 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:25	10/18/22 22:25	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/15/22 00:04	10/15/22 00:04	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/15/22 00:21	10/15/22 00:21	GEB	Mt. Juliet, TN

MW-11A L1546101-35 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947705	10	10/31/22 07:31	11/01/22 01:27	SJM	Mt. Juliet, TN

OCD-5 L1546101-36 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:27	10/18/22 22:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/15/22 00:38	10/15/22 00:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/15/22 00:55	10/15/22 00:55	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	10	10/31/22 08:36	10/31/22 16:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 05:55	10/20/22 05:55	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 02:48	DMG	Mt. Juliet, TN

MW-87 L1546101-37 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947708	10	10/31/22 08:36	10/31/22 17:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 07:43	10/20/22 07:43	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 03:08	DMG	Mt. Juliet, TN

MW-18A L1546101-38 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:28	10/18/22 22:28	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1942622	1	10/20/22 08:01	10/20/22 15:44	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/15/22 01:45	10/15/22 01:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/15/22 02:02	10/15/22 02:02	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:07	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947665	1	10/25/22 15:37	10/27/22 09:03	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	10	10/31/22 08:36	10/31/22 17:04	LD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 03:28	DMG	Mt. Juliet, TN

MW-70 L1546101-39 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 11:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 18:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	10	10/20/22 04:07	10/20/22 04:07	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 03:49	DMG	Mt. Juliet, TN

MW-124 L1546101-40 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:29	10/18/22 22:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	10	10/15/22 02:19	10/15/22 02:19	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	100	10/15/22 02:36	10/15/22 02:36	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	10	10/31/22 08:36	10/31/22 17:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 08:05	10/20/22 08:05	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 04:09	DMG	Mt. Juliet, TN

MW-52 L1546101-41 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:35 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	10	10/18/22 22:34	10/18/22 22:34	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1942622	1	10/20/22 08:01	10/20/22 15:45	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	1	10/15/22 02:53	10/15/22 02:53	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942487	20	10/15/22 03:10	10/15/22 03:10	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:10	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947665	1	10/25/22 15:37	10/27/22 09:05	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 08:26	10/20/22 08:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 16:04	10/16/22 16:04	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 04:29	DMG	Mt. Juliet, TN

MW-109 L1546101-42 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 11:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	5	10/18/22 22:36	10/18/22 22:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/14/22 17:31	10/14/22 17:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 17:47	10/14/22 17:47	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	10	10/20/22 04:29	10/20/22 04:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	25	10/16/22 21:06	10/16/22 21:06	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 04:49	DMG	Mt. Juliet, TN

MW-110 L1546101-43 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:37	10/18/22 22:37	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/14/22 18:03	10/14/22 18:03	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943989	5	10/18/22 06:45	10/18/22 06:45	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 08:48	10/20/22 08:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 16:26	10/16/22 16:26	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 05:09	DMG	Mt. Juliet, TN

EB-EP-02 L1546101-44 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:38	10/18/22 22:38	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/14/22 18:18	10/14/22 18:18	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 07:22	10/20/22 07:22	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 05:30	DMG	Mt. Juliet, TN

TRIP BLANK-EP-03 L1546101-45 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 17:26	10/15/22 17:26	JAH	Mt. Juliet, TN

MW-113 L1546101-46 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	50	10/18/22 22:39	10/18/22 22:39	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/14/22 19:54	10/14/22 19:54	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 20:10	10/14/22 20:10	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	20	10/20/22 03:45	10/20/22 03:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 18:50	10/15/22 18:50	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	100	10/20/22 11:24	10/20/22 11:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 05:50	DMG	Mt. Juliet, TN

MW-134 L1546101-47 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	1	10/18/22 22:41	10/18/22 22:41	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 20:26	10/14/22 20:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/14/22 20:42	10/14/22 20:42	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 09:09	10/20/22 09:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 19:10	10/15/22 19:10	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	1	10/20/22 10:08	10/20/22 10:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 06:10	DMG	Mt. Juliet, TN

KWB-7 L1546101-48 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	5	10/18/22 22:42	10/18/22 22:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:10	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 20:58	10/14/22 20:58	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:12	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947665	1	10/25/22 15:37	10/27/22 09:14	ZSA	Mt. Juliet, TN

KWB-7 L1546101-48 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	1	10/20/22 10:27	10/20/22 10:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 06:30	DMG	Mt. Juliet, TN

MW-135 L1546101-49 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942630	5	10/18/22 22:43	10/18/22 22:43	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 21:29	10/14/22 21:29	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/14/22 21:45	10/14/22 21:45	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 09:31	10/20/22 09:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 19:31	10/15/22 19:31	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	1	10/20/22 10:46	10/20/22 10:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 06:50	DMG	Mt. Juliet, TN

NP-1 L1546101-50 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	20	10/16/22 00:24	10/16/22 00:24	JAH	Mt. Juliet, TN

MW-21 L1546101-51 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:35 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	5	10/19/22 14:52	10/19/22 14:52	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 22:01	10/14/22 22:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/14/22 22:20	10/14/22 22:20	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 09:52	10/20/22 09:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 19:52	10/15/22 19:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	5	10/20/22 11:45	10/20/22 11:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 07:11	DMG	Mt. Juliet, TN

KWB-11A L1546101-52 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 14:53	10/19/22 14:53	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:11	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 23:07	10/14/22 23:07	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:18	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947665	1	10/25/22 15:37	10/27/22 09:17	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 19:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 10:14	10/20/22 10:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 20:13	10/15/22 20:13	JAH	Mt. Juliet, TN

KWB-11A L1546101-52 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude/HMI Team	10/11/22 14:30	10/13/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1945829	1	10/20/22 11:05	10/20/22 11:05	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1944194	1.02	10/18/22 07:04	10/18/22 22:21	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 07:31	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1941851	1	10/15/22 19:00	10/16/22 12:36	DSH	Mt. Juliet, TN

KWB-11B L1546101-53 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude/HMI Team	10/11/22 15:10	10/13/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 14:59	10/19/22 14:59	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:12	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/14/22 23:39	10/14/22 23:39	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:20	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947650	1	10/24/22 17:20	10/25/22 08:51	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 20:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 10:40	10/20/22 10:40	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943418	1	10/15/22 20:34	10/15/22 20:34	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 07:51	DMG	Mt. Juliet, TN

MW-115 L1546101-54 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude/HMI Team	10/11/22 16:50	10/13/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:00	10/19/22 15:00	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 00:11	10/15/22 00:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/15/22 00:27	10/15/22 00:27	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 20:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945412	1	10/20/22 11:02	10/20/22 11:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 16:47	10/16/22 16:47	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 08:11	DMG	Mt. Juliet, TN

MW-114 L1546101-55 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude/HMI Team	10/11/22 17:30	10/13/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:05	10/19/22 15:05	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/15/22 00:43	10/15/22 00:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 00:59	10/15/22 00:59	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 20:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 12:23	10/19/22 12:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 17:09	10/16/22 17:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944851	1	10/19/22 12:15	10/20/22 08:31	DMG	Mt. Juliet, TN

MW-125 L1546101-56 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:06	10/19/22 15:06	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 01:15	10/15/22 01:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/15/22 01:31	10/15/22 01:31	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 20:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 12:45	10/19/22 12:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 17:30	10/16/22 17:30	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 02:54	DMG	Mt. Juliet, TN

DUP-REST-01 L1546101-57 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	20	10/19/22 15:07	10/19/22 15:07	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/15/22 02:18	10/15/22 02:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 02:34	10/15/22 02:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947708	1	10/31/22 08:36	10/31/22 20:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1947024	20	10/21/22 21:58	10/21/22 21:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 17:52	10/16/22 17:52	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944296	50	10/18/22 04:13	10/18/22 04:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 05:53	DMG	Mt. Juliet, TN

EB-REST-01 L1546101-58 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:09	10/19/22 15:09	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/15/22 02:50	10/15/22 02:50	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 22:23	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 13:07	10/19/22 13:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 18:13	10/16/22 18:13	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944296	1	10/18/22 02:17	10/18/22 02:17	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 06:16	DMG	Mt. Juliet, TN

DUP-REST-03 L1546101-59 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:10	10/19/22 15:10	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 03:38	10/15/22 03:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/15/22 03:54	10/15/22 03:54	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 22:37	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 13:28	10/19/22 13:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 18:35	10/16/22 18:35	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944296	1	10/18/22 02:37	10/18/22 02:37	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 06:39	DMG	Mt. Juliet, TN

EB-REST-03 L1546101-60 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:11	10/19/22 15:11	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	1	10/15/22 04:10	10/15/22 04:10	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 22:40	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 13:50	10/19/22 13:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 18:56	10/16/22 18:56	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944296	1	10/18/22 02:56	10/18/22 02:56	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 07:02	DMG	Mt. Juliet, TN

TRIP BLANK-REST-01 L1546101-61 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 14:38	10/16/22 14:38	JCP	Mt. Juliet, TN

TRIP BLANK-TMD-01 L1546101-62 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 14:59	10/16/22 14:59	JCP	Mt. Juliet, TN

MW-117 L1546101-63 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 15:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:13	10/19/22 15:13	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 04:26	10/15/22 04:26	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 22:43	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 14:12	10/19/22 14:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 19:18	10/16/22 19:18	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944296	1	10/18/22 03:15	10/18/22 03:15	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 07:25	DMG	Mt. Juliet, TN

MW-118 L1546101-64 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:16	10/19/22 15:16	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 05:29	10/15/22 05:29	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/15/22 05:45	10/15/22 05:45	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 22:46	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1945434	1	10/19/22 14:33	10/19/22 14:33	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 19:40	10/16/22 19:40	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944296	1	10/18/22 03:34	10/18/22 03:34	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 07:48	DMG	Mt. Juliet, TN

MW-119 L1546101-65 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:22	10/19/22 15:22	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	10	10/15/22 06:01	10/15/22 06:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942489	100	10/15/22 06:17	10/15/22 06:17	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 22:56	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 17:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946076	1	10/20/22 14:25	10/20/22 14:25	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 20:01	10/16/22 20:01	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 08:10	DMG	Mt. Juliet, TN

MW-136 L1546101-66 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	10	10/19/22 15:23	10/19/22 15:23	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:15	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	20	10/15/22 19:56	10/15/22 19:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	5	10/15/22 19:41	10/15/22 19:41	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:22	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947650	1	10/24/22 17:20	10/24/22 22:53	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:00	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 17:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946076	1	10/20/22 14:47	10/20/22 14:47	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 20:23	10/16/22 20:23	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 08:33	DMG	Mt. Juliet, TN

MW-126B L1546101-67 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:55 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:24	10/19/22 15:24	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/15/22 20:12	10/15/22 20:12	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/15/22 20:28	10/15/22 20:28	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:03	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946076	1	10/20/22 15:09	10/20/22 15:09	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943620	1	10/16/22 20:44	10/16/22 20:44	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 08:56	DMG	Mt. Juliet, TN

KWB-1A L1546101-68 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:55 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:25	10/19/22 15:25	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:16	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/15/22 20:44	10/15/22 20:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/15/22 21:00	10/15/22 21:00	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:24	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947650	1	10/24/22 17:20	10/24/22 22:56	CCE	Mt. Juliet, TN

KWB-1A L1546101-68 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:55 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:06	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 17:23	10/16/22 17:23	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 21:57	MAA	Mt. Juliet, TN

KWB-12A L1546101-69 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	10	10/19/22 15:27	10/19/22 15:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:17	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/15/22 21:16	10/15/22 21:16	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/15/22 22:12	10/15/22 22:12	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:26	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947652	1	10/23/22 20:49	10/24/22 17:52	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:09	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 12:33	10/20/22 12:33	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 17:44	10/16/22 17:44	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 22:18	MAA	Mt. Juliet, TN

KWB-12B L1546101-70 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	10	10/19/22 15:28	10/19/22 15:28	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:18	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/15/22 22:28	10/15/22 22:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/15/22 22:44	10/15/22 22:44	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:28	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947652	1	10/23/22 20:49	10/24/22 17:55	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:13	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 12:55	10/20/22 12:55	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 18:05	10/16/22 18:05	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 22:38	MAA	Mt. Juliet, TN

DUP-REST-05 L1546101-71 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	10	10/19/22 15:29	10/19/22 15:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:19	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/15/22 22:59	10/15/22 22:59	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/15/22 23:15	10/15/22 23:15	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:30	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947652	1	10/23/22 20:49	10/24/22 18:04	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:16	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:15	LD	Mt. Juliet, TN

DUP-REST-05 L1546101-71 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 13:17	10/20/22 13:17	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 18:26	10/16/22 18:26	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 22:58	MAA	Mt. Juliet, TN

EB-REST-05 L1546101-72 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:35 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944578	1	10/18/22 11:46	10/18/22 13:47	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942631	1	10/19/22 15:30	10/19/22 15:30	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:20	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	1	10/15/22 23:31	10/15/22 23:31	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:32	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947652	1	10/23/22 20:49	10/24/22 18:07	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:19	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 13:39	10/20/22 13:39	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 18:47	10/16/22 18:47	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 23:18	MAA	Mt. Juliet, TN

TRIP BLANK-REST-02 L1546101-73 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 16:00	10/16/22 16:00	GH	Mt. Juliet, TN

MW-104 L1546101-74 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:18	10/19/22 16:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	1	10/16/22 00:35	10/16/22 00:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943989	5	10/18/22 06:58	10/18/22 06:58	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:23	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1948345	1	10/25/22 13:23	10/25/22 13:23	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 19:07	10/16/22 19:07	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 23:38	MAA	Mt. Juliet, TN

MW-64 L1546101-75 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 15:45 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	5	10/19/22 16:19	10/19/22 16:19	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	1	10/16/22 01:55	10/16/22 01:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 02:10	10/16/22 02:10	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:26	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	10	10/20/22 16:35	10/20/22 16:35	BAM	Mt. Juliet, TN

MW-64 L1546101-75 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 15:45 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	250	10/16/22 21:54	10/16/22 21:54	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/20/22 23:59	MAA	Mt. Juliet, TN

MW-102 L1546101-76 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 17:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:21	10/19/22 16:21	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 02:26	10/16/22 02:26	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:36	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	50	10/20/22 18:02	10/20/22 18:02	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1946137	250	10/20/22 23:43	10/20/22 23:43	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 00:19	MAA	Mt. Juliet, TN

MW-116 L1546101-77 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 11:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945498	1	10/19/22 15:38	10/19/22 16:54	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	1	10/19/22 16:22	10/19/22 16:22	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 02:58	10/16/22 02:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/16/22 03:14	10/16/22 03:14	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:39	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 14:01	10/20/22 14:01	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 19:28	10/16/22 19:28	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 21:23	MAA	Mt. Juliet, TN

MW-46R L1546101-78 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 12:10 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	1	10/19/22 16:31	10/19/22 16:31	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	20	10/16/22 03:46	10/16/22 03:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	5	10/16/22 03:30	10/16/22 03:30	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:42	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 19:49	10/16/22 19:49	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 20:43	MAA	Mt. Juliet, TN

MW-145 L1546101-79 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 04:34	10/16/22 04:34	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/16/22 04:50	10/16/22 04:50	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:46	SJM	Mt. Juliet, TN

MW-145 L1546101-79 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 14:23	10/20/22 14:23	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 20:10	10/16/22 20:10	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 21:03	MAA	Mt. Juliet, TN

MW-146 L1546101-80 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 05:06	10/16/22 05:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/16/22 05:21	10/16/22 05:21	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/29/22 23:49	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947709	1	10/29/22 09:37	10/30/22 18:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 14:45	10/20/22 14:45	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 20:31	10/16/22 20:31	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 01:40	MAA	Mt. Juliet, TN

MW-147 L1546101-81 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 05:37	10/16/22 05:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/16/22 05:53	10/16/22 05:53	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:05	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 15:07	10/20/22 15:07	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 20:51	10/16/22 20:51	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 02:00	MAA	Mt. Juliet, TN

MW-148 L1546101-82 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 06:09	10/16/22 06:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/16/22 06:25	10/16/22 06:25	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:18	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 15:29	10/20/22 15:29	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 21:12	10/16/22 21:12	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 02:20	MAA	Mt. Juliet, TN

DUP-REST-02 L1546101-83 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:35	10/19/22 16:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 06:41	10/16/22 06:41	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:21	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	5	10/29/22 12:01	10/30/22 15:38	LD	Mt. Juliet, TN

DUP-REST-02 L1546101-83 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	50	10/20/22 18:24	10/20/22 18:24	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1946137	250	10/21/22 00:06	10/21/22 00:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 02:40	MAA	Mt. Juliet, TN

EB-REST-02 L1546101-84 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 17:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	1	10/19/22 16:36	10/19/22 16:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	1	10/16/22 07:45	10/16/22 07:45	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:25	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 11:49	10/20/22 11:49	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 16:21	10/16/22 16:21	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 03:00	MAA	Mt. Juliet, TN

DUP-REST-04 L1546101-85 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	10	10/16/22 08:01	10/16/22 08:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	100	10/16/22 08:16	10/16/22 08:16	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:28	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 15:51	10/20/22 15:51	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 21:33	10/16/22 21:33	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 03:21	MAA	Mt. Juliet, TN

EB-REST-04 L1546101-86 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942494	1	10/16/22 08:32	10/16/22 08:32	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:38	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	1	10/20/22 12:11	10/20/22 12:11	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 16:42	10/16/22 16:42	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 03:41	MAA	Mt. Juliet, TN

TRIP BLANK-REST-03 L1546101-87 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943622	1	10/16/22 17:02	10/16/22 17:02	GH	Mt. Juliet, TN

MW-101 L1546101-88 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:05 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	5	10/19/22 16:37	10/19/22 16:37	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/17/22 20:36	10/17/22 20:36	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:41	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	10	10/20/22 16:57	10/20/22 16:57	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 06:54	10/17/22 06:54	GH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1946137	10	10/21/22 00:29	10/21/22 00:29	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 04:01	MAA	Mt. Juliet, TN

MW-105 L1546101-89 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 08:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	5	10/19/22 16:39	10/19/22 16:39	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/17/22 21:27	10/17/22 21:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	5	10/17/22 22:06	10/17/22 22:06	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:44	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	25	10/20/22 17:40	10/20/22 17:40	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	100	10/17/22 05:10	10/17/22 05:10	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945264	1	10/19/22 12:12	10/21/22 04:21	MAA	Mt. Juliet, TN

MW-61 L1546101-90 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:40	10/19/22 16:40	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/17/22 22:18	10/17/22 22:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	10	10/17/22 22:31	10/17/22 22:31	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:47	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	10	10/20/22 17:19	10/20/22 17:19	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	50	10/17/22 05:31	10/17/22 05:31	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 05:41	HLJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1943567	1	10/18/22 04:29	10/19/22 23:44	JNJ	Mt. Juliet, TN

MW-62 L1546101-91 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:41	10/19/22 16:41	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/17/22 22:44	10/17/22 22:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	5	10/17/22 22:57	10/17/22 22:57	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:50	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946136	100	10/20/22 18:46	10/20/22 18:46	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	50	10/17/22 05:52	10/17/22 05:52	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 06:07	HLJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1943567	1	10/18/22 04:29	10/20/22 00:48	AGW	Mt. Juliet, TN

TEL-4 L1546101-93 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 08:55 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	5	10/19/22 16:48	10/19/22 16:48	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/17/22 23:35	10/17/22 23:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	20	10/17/22 23:48	10/17/22 23:48	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:54	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946155	1	10/20/22 14:13	10/20/22 14:13	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 04:07	10/17/22 04:07	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 06:59	HLJ	Mt. Juliet, TN

MW-98 L1546101-94 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 13:40 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:49	10/19/22 16:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/18/22 00:01	10/18/22 00:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	50	10/18/22 00:39	10/18/22 00:39	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:57	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946155	20	10/20/22 17:59	10/20/22 17:59	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	50	10/17/22 06:34	10/17/22 06:34	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 07:26	HLJ	Mt. Juliet, TN

MW-49 L1546101-95 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:50 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 16:50	10/19/22 16:50	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	25	10/22/22 08:34	10/23/22 07:21	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/18/22 00:52	10/18/22 00:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	5	10/18/22 01:05	10/18/22 01:05	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:34	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947665	1	10/25/22 15:37	10/27/22 09:19	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 15:00	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946155	5	10/20/22 18:20	10/20/22 18:20	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 07:16	10/17/22 07:16	GH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1946137	10	10/21/22 00:51	10/21/22 00:51	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 07:52	HLJ	Mt. Juliet, TN

MW-45 L1546101-96 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 17:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	1	10/19/22 16:51	10/19/22 16:51	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:22	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	10	10/18/22 01:18	10/18/22 01:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	100	10/18/22 01:31	10/18/22 01:31	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:36	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947652	1	10/23/22 20:49	10/24/22 18:10	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 15:03	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 04:28	10/17/22 04:28	GH	Mt. Juliet, TN

MW-45 L1546101-96 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 17:15 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 08:18	HLJ	Mt. Juliet, TN

MW-29 L1546101-97 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944771	1	10/18/22 16:14	10/18/22 17:21	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	1	10/19/22 16:53	10/19/22 16:53	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	10	10/18/22 01:43	10/18/22 01:43	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 15:06	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946155	1	10/20/22 14:34	10/20/22 14:34	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 04:49	10/17/22 04:49	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 08:44	HLJ	Mt. Juliet, TN

DUP-TEL-01 L1546101-98 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 10:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	5	10/19/22 16:54	10/19/22 16:54	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/18/22 02:09	10/18/22 02:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	20	10/18/22 02:22	10/18/22 02:22	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 15:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946155	1	10/20/22 14:56	10/20/22 14:56	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 07:36	10/17/22 07:36	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 09:10	HLJ	Mt. Juliet, TN

EB-TEL-01 L1546101-99 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 09:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945238	1	10/19/22 14:02	10/19/22 15:41	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	1	10/19/22 16:55	10/19/22 16:55	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942495	1	10/18/22 02:35	10/18/22 02:35	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 15:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1946155	1	10/20/22 13:29	10/20/22 13:29	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 00:58	10/17/22 00:58	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945863	1	10/20/22 05:59	10/21/22 12:49	HLJ	Mt. Juliet, TN

TRIP BLANK-REST-04 L1546101-100 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	1	10/16/22 01:17	10/16/22 01:17	ACG	Mt. Juliet, TN

TRIP BLANK-TEL-01 L1546101-101 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/12/22 00:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	1	10/16/22 01:37	10/16/22 01:37	ACG	Mt. Juliet, TN

MW-139 L1546101-102 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 17:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942632	50	10/19/22 17:05	10/19/22 17:05	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/15/22 16:49	10/15/22 16:49	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:38	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/19/22 00:25	10/19/22 00:25	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	1	10/16/22 05:48	10/16/22 05:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944334	1	10/18/22 14:14	10/19/22 18:26	DMG	Mt. Juliet, TN

MW-50 L1546101-103 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	20	10/19/22 19:27	10/19/22 19:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/15/22 17:23	10/15/22 17:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	100	10/15/22 18:14	10/15/22 18:14	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	1	10/16/22 06:09	10/16/22 06:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944847	1	10/19/22 05:46	10/21/22 19:02	MAA	Mt. Juliet, TN

MW-90 L1546101-104 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:35 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	50	10/19/22 19:32	10/19/22 19:32	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	20	10/15/22 18:47	10/15/22 18:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	5	10/15/22 18:30	10/15/22 18:30	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	1	10/19/22 00:47	10/19/22 00:47	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1948833	1	10/25/22 17:37	10/25/22 17:37	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944847	1	10/19/22 05:46	10/21/22 19:22	MAA	Mt. Juliet, TN

MW-96 L1546101-105 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	50	10/19/22 19:33	10/19/22 19:33	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/15/22 19:04	10/15/22 19:04	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:54	RDS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	5	10/31/22 08:16	11/01/22 11:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944433	10	10/19/22 02:59	10/19/22 02:59	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	20	10/16/22 07:12	10/16/22 07:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1948833	1000	10/25/22 17:57	10/25/22 17:57	AV	Mt. Juliet, TN

MW-96 L1546101-105 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1944847	1	10/19/22 05:46	10/21/22 19:42	MAA	Mt. Juliet, TN

MW-55 L1546101-106 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:45 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:35	10/19/22 19:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1946914	1	10/22/22 08:34	10/23/22 07:09	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/15/22 20:12	10/15/22 20:12	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG1944375	1	10/25/22 12:15	10/26/22 13:03	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1947650	1	10/24/22 17:20	10/24/22 22:50	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 15:57	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1944440	1	10/19/22 12:28	10/19/22 12:28	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943518	1	10/16/22 06:30	10/16/22 06:30	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/19/22 23:34	DMG	Mt. Juliet, TN

NCL-33 L1546101-107 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 10:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1945498	1	10/19/22 15:38	10/19/22 16:54	SLP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:36	10/19/22 19:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943989	20	10/18/22 06:33	10/18/22 06:33	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1943989	5	10/18/22 06:21	10/18/22 06:21	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:00	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 01:19	10/17/22 01:19	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	10	10/19/22 12:14	10/22/22 04:48	MAA	Mt. Juliet, TN

NCL-44 L1546101-108 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 15:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:37	10/19/22 19:37	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/15/22 21:37	10/15/22 21:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	20	10/15/22 21:54	10/15/22 21:54	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:03	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 01:40	10/17/22 01:40	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	10	10/19/22 12:14	10/20/22 09:19	DMG	Mt. Juliet, TN

NCL-32 L1546101-109 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:45 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:38	10/19/22 19:38	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/15/22 22:11	10/15/22 22:11	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:07	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 02:01	10/17/22 02:01	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/19/22 23:57	DMG	Mt. Juliet, TN

MW-108 L1546101-110 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 16:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	50	10/19/22 19:40	10/19/22 19:40	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/15/22 23:36	10/15/22 23:36	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/15/22 23:52	10/15/22 23:52	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	11/01/22 11:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 02:22	10/17/22 02:22	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 00:20	DMG	Mt. Juliet, TN

NCL-31 L1546101-111 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 14:00 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:41	10/19/22 19:41	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/16/22 00:09	10/16/22 00:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/16/22 01:00	10/16/22 01:00	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:16	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 02:44	10/17/22 02:44	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/22/22 17:13	MAA	Mt. Juliet, TN

MW-54A L1546101-112 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 11:25 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:42	10/19/22 19:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/16/22 01:17	10/16/22 01:17	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	11/01/22 11:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 03:04	10/17/22 03:04	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 01:22	DMG	Mt. Juliet, TN

NCL-49 L1546101-113 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 12:20 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944585	1	10/18/22 15:28	10/18/22 16:56	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	5	10/19/22 19:44	10/19/22 19:44	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/16/22 01:34	10/16/22 01:34	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	100	10/16/22 01:51	10/16/22 01:51	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	10/31/22 16:43	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 03:25	10/17/22 03:25	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 01:45	DMG	Mt. Juliet, TN

DUP-NCL-01 L1546101-114 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/11/22 09:30 | Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	5	10/19/22 19:49	10/19/22 19:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	10	10/16/22 02:08	10/16/22 02:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	100	10/16/22 02:25	10/16/22 02:25	GEB	Mt. Juliet, TN

DUP-NCL-01 L1546101-114 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 10/11/22 09:30
Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	11/01/22 12:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1943691	1	10/17/22 03:46	10/17/22 03:46	GH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 02:08	DMG	Mt. Juliet, TN

EB-NCL-01 L1546101-115 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 10/11/22 12:40
Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1944588	1	10/18/22 18:06	10/19/22 11:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1942634	1	10/19/22 19:50	10/19/22 19:50	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1942486	1	10/16/22 02:42	10/16/22 02:42	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1947704	1	10/31/22 08:16	11/01/22 12:09	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944540	1	10/18/22 11:38	10/18/22 11:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1945263	1	10/19/22 12:14	10/20/22 02:31	DMG	Mt. Juliet, TN

TRIP BLANK-NCL-01 L1546101-116 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 10/11/22 00:00
Received date/time: 10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1944540	1	10/18/22 11:59	10/18/22 11:59	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 11/03/22 19:47

Project Narrative

1/26/23: Revised to report VOCs from the 1x dilution on -104.

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1546101-110	MW-108	8260B
L1546101-46	MW-113	8015D/GRO
L1546101-57	DUP-REST-01	8015D/GRO
L1546101-75	MW-64	8260B
L1546101-76	MW-102	8260B
L1546101-83	DUP-REST-02	8260B
L1546101-91	MW-62	8260B
L1546101-93	TEL-4	8260B
L1546101-95	MW-49	8260B
L1546101-98	DUP-TEL-01	8260B

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

Lab Sample ID	Project Sample ID	Method
L1546101-06	MW-74	353.2

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6060		200	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.166		0.0500	0.100	1	10/18/2022 20:40	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2310		37.9	100	100	10/17/2022 20:23	WG1943633
Fluoride	3.76		0.640	1.50	10	10/17/2022 20:07	WG1943633
Sulfate	2830		59.4	500	100	10/17/2022 20:23	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00257	J	0.00180	0.0200	10	10/31/2022 18:31	WG1947703
Barium	0.0124	J	0.00381	0.0200	10	10/31/2022 18:31	WG1947703
Calcium	662	V	0.936	10.0	10	10/31/2022 18:31	WG1947703
Chromium	U		0.0124	0.0200	10	10/31/2022 18:31	WG1947703
Iron	4.24		0.281	1.00	10	10/31/2022 18:31	WG1947703
Lead	U		0.00849	0.0200	10	10/31/2022 18:31	WG1947703
Manganese	1.41	V	0.00704	0.0500	10	10/31/2022 18:31	WG1947703
Potassium	3.17	J	1.08	20.0	10	10/31/2022 18:31	WG1947703
Selenium	U		0.00300	0.0200	10	10/31/2022 18:31	WG1947703
Sodium	1450	V	3.76	20.0	10	10/31/2022 18:31	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0449	J	0.0314	0.100	1	10/20/2022 10:21	WG1945794
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/20/2022 10:21*	WG1945794

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/20/2022 09:48	WG1945829
Benzene	U		0.0000941	0.00100	1	10/20/2022 09:48	WG1945829
Bromodichloromethane	U		0.000136	0.00100	1	10/20/2022 09:48	WG1945829
Bromoform	U		0.000129	0.00100	1	10/20/2022 09:48	WG1945829
Bromomethane	U		0.000605	0.00500	1	10/20/2022 09:48	WG1945829
n-Butylbenzene	U		0.000157	0.00100	1	10/20/2022 09:48	WG1945829
sec-Butylbenzene	U		0.000125	0.00100	1	10/20/2022 09:48	WG1945829
Carbon disulfide	U		0.0000962	0.00100	1	10/20/2022 09:48	WG1945829
Carbon tetrachloride	U		0.000128	0.00100	1	10/20/2022 09:48	WG1945829
Chlorobenzene	U		0.000116	0.00100	1	10/20/2022 09:48	WG1945829
Chlorodibromomethane	U		0.000140	0.00100	1	10/20/2022 09:48	WG1945829
Chloroethane	U		0.000192	0.00500	1	10/20/2022 09:48	WG1945829
Chloroform	U		0.000111	0.00500	1	10/20/2022 09:48	WG1945829
Chloromethane	U		0.000960	0.00250	1	10/20/2022 09:48	WG1945829
1,2-Dibromoethane	U		0.000126	0.00100	1	10/20/2022 09:48	WG1945829
1,1-Dichloroethane	U		0.000100	0.00100	1	10/20/2022 09:48	WG1945829

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/20/2022 09:48	WG1945829
1,1-Dichloroethene	U		0.000188	0.00100	1	10/20/2022 09:48	WG1945829
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/20/2022 09:48	WG1945829
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/20/2022 09:48	WG1945829
1,2-Dichloropropane	U		0.000149	0.00100	1	10/20/2022 09:48	WG1945829
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/20/2022 09:48	WG1945829
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/20/2022 09:48	WG1945829
Ethylbenzene	U		0.000137	0.00100	1	10/20/2022 09:48	WG1945829
Isopropylbenzene	U		0.000105	0.00100	1	10/20/2022 09:48	WG1945829
p-Isopropyltoluene	U		0.000120	0.00100	1	10/20/2022 09:48	WG1945829
2-Butanone (MEK)	U		0.00119	0.0100	1	10/20/2022 09:48	WG1945829
2-Hexanone	U		0.000787	0.0100	1	10/20/2022 09:48	WG1945829
Methylene Chloride	U		0.000430	0.00500	1	10/20/2022 09:48	WG1945829
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/20/2022 09:48	WG1945829
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/20/2022 09:48	WG1945829
Naphthalene	U		0.00100	0.00500	1	10/20/2022 09:48	WG1945829
n-Propylbenzene	U		0.0000993	0.00100	1	10/20/2022 09:48	WG1945829
Styrene	U		0.000118	0.00100	1	10/20/2022 09:48	WG1945829
tert-Butyl alcohol	U		0.00406	0.00500	1	10/20/2022 09:48	WG1945829
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/20/2022 09:48	WG1945829
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/20/2022 09:48	WG1945829
Tetrachloroethene	U		0.000300	0.00100	1	10/20/2022 09:48	WG1945829
Toluene	U		0.000278	0.00100	1	10/20/2022 09:48	WG1945829
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/20/2022 09:48	WG1945829
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/20/2022 09:48	WG1945829
Trichloroethene	U		0.000190	0.00100	1	10/20/2022 09:48	WG1945829
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/20/2022 09:48	WG1945829
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/20/2022 09:48	WG1945829
Vinyl chloride	U		0.000234	0.00100	1	10/20/2022 09:48	WG1945829
o-Xylene	U		0.000174	0.00100	1	10/20/2022 09:48	WG1945829
m&p-Xylene	U		0.000430	0.00200	1	10/20/2022 09:48	WG1945829
Xylenes, Total	U		0.000174	0.00300	1	10/20/2022 09:48	WG1945829
(S) Toluene-d8	*106*			*80.0-120*		*10/20/2022 09:48*	WG1945829
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*10/20/2022 09:48*	WG1945829
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*10/20/2022 09:48*	WG1945829

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.640		0.0247	0.100	1	10/19/2022 16:04	WG1944334
(S) o-Terphenyl	*103*			*31.0-160*		*10/19/2022 16:04*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4660		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	0.536		0.0500	0.100	1	10/18/2022 20:42	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1350		3.79	10.0	10	10/17/2022 20:39	WG1943633
Fluoride	4.47		0.640	1.50	10	10/17/2022 20:39	WG1943633
Sulfate	2200		59.4	500	100	10/17/2022 20:55	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0566		0.000180	0.00200	1	10/31/2022 20:12	WG1947703
Barium	0.0146		0.000381	0.00200	1	10/31/2022 20:12	WG1947703
Calcium	676		0.0936	1.00	1	10/31/2022 20:12	WG1947703
Chromium	U		0.00124	0.00200	1	10/31/2022 20:12	WG1947703
Iron	0.823		0.0281	0.100	1	10/31/2022 20:12	WG1947703
Lead	U		0.000849	0.00200	1	10/31/2022 20:12	WG1947703
Manganese	2.00		0.000704	0.00500	1	10/31/2022 20:12	WG1947703
Potassium	3.80		0.108	2.00	1	10/31/2022 20:12	WG1947703
Selenium	0.00898		0.000300	0.00200	1	10/31/2022 20:12	WG1947703
Sodium	680		0.376	2.00	1	10/31/2022 20:12	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/18/2022 21:56	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*10/18/2022 21:56*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.245		0.0247	0.100	1	10/19/2022 16:24	WG1944334
(S) o-Terphenyl	*102*			*31.0-160*		*10/19/2022 16:24*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5980		200	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/18/2022 20:43	WG1942629

Sample Narrative:

L1546101-03 WG1942629: Dilution due to color.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1370		3.79	10.0	10	10/17/2022 21:11	WG1943633
Fluoride	5.68		0.640	1.50	10	10/17/2022 21:11	WG1943633
Sulfate	4120		59.4	500	100	10/17/2022 21:27	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.184		0.000900	0.0100	5	10/31/2022 20:25	WG1947703
Barium	0.0123		0.00190	0.0100	5	10/31/2022 20:25	WG1947703
Calcium	559		0.468	5.00	5	10/31/2022 20:25	WG1947703
Chromium	U		0.00620	0.0100	5	10/31/2022 20:25	WG1947703
Iron	11.6		0.140	0.500	5	10/31/2022 20:25	WG1947703
Lead	U		0.00424	0.0100	5	10/31/2022 20:25	WG1947703
Manganese	2.68		0.00352	0.0250	5	10/31/2022 20:25	WG1947703
Potassium	5.84	J	0.540	10.0	5	10/31/2022 20:25	WG1947703
Selenium	0.00870	J	0.00150	0.0100	5	10/31/2022 20:25	WG1947703
Sodium	1440		1.88	10.0	5	10/31/2022 20:25	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.855		0.0314	0.100	1	10/20/2022 10:43	WG1945794
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/20/2022 10:43*	WG1945794

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	42.2		0.123	0.500	5	10/19/2022 19:26	WG1944334
(S) o-Terphenyl	*105*			*31.0-160*		*10/19/2022 19:26*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2830		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 20:44	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	980		3.79	10.0	10	10/17/2022 21:43	WG1943633
Fluoride	1.89		0.640	1.50	10	10/17/2022 21:43	WG1943633
Sulfate	1450		5.94	50.0	10	10/17/2022 21:43	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00387		0.000180	0.00200	1	10/31/2022 20:15	WG1947703
Barium	0.0224		0.000381	0.00200	1	10/31/2022 20:15	WG1947703
Calcium	357		0.0936	1.00	1	10/31/2022 20:15	WG1947703
Chromium	U		0.00124	0.00200	1	10/31/2022 20:15	WG1947703
Iron	4.51		0.0281	0.100	1	10/31/2022 20:15	WG1947703
Lead	U		0.000849	0.00200	1	10/31/2022 20:15	WG1947703
Manganese	1.11		0.000704	0.00500	1	10/31/2022 20:15	WG1947703
Potassium	3.81		0.108	2.00	1	10/31/2022 20:15	WG1947703
Selenium	U		0.000300	0.00200	1	10/31/2022 20:15	WG1947703
Sodium	637		0.376	2.00	1	10/31/2022 20:15	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/18/2022 22:18	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/18/2022 22:18*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.165		0.0247	0.100	1	10/19/2022 16:45	WG1944334
(S) o-Terphenyl	*106*			*31.0-160*		*10/19/2022 16:45*	WG1944334

MW-75
Collected date/time: 10/11/22 10:40
L1546101

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3910		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.902		0.0500	0.100	1	10/18/2022 20:45	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1430		3.79	10.0	10	10/17/2022 22:15	WG1943633
Fluoride	5.25		0.640	1.50	10	10/17/2022 22:15	WG1943633
Sulfate	1830		59.4	500	100	10/17/2022 23:02	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00278	J	0.000900	0.0100	5	10/31/2022 20:28	WG1947703
Barium	0.0130		0.00190	0.0100	5	10/31/2022 20:28	WG1947703
Calcium	514		0.468	5.00	5	10/31/2022 20:28	WG1947703
Chromium	U		0.00620	0.0100	5	10/31/2022 20:28	WG1947703
Iron	U		0.140	0.500	5	10/31/2022 20:28	WG1947703
Lead	U		0.00424	0.0100	5	10/31/2022 20:28	WG1947703
Manganese	2.23		0.00352	0.0250	5	10/31/2022 20:28	WG1947703
Potassium	5.88	J	0.540	10.0	5	10/31/2022 20:28	WG1947703
Selenium	U		0.00150	0.0100	5	10/31/2022 20:28	WG1947703
Sodium	966		1.88	10.0	5	10/31/2022 20:28	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/18/2022 22:40	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/18/2022 22:40*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.333		0.0247	0.100	1	10/19/2022 17:05	WG1944334
(S) o-Terphenyl	*102*			*31.0-160*		*10/19/2022 17:05*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4200		200	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 20:54	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1960		3.79	10.0	10	10/17/2022 23:18	WG1943633
Fluoride	7.82		0.640	1.50	10	10/17/2022 23:18	WG1943633
Sulfate	3220		59.4	500	100	10/17/2022 23:34	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.107		0.00180	0.0200	10	10/31/2022 20:01	WG1947703
Barium	0.0163	J	0.00381	0.0200	10	10/31/2022 20:01	WG1947703
Calcium	543		0.936	10.0	10	10/31/2022 20:01	WG1947703
Chromium	U		0.0124	0.0200	10	10/31/2022 20:01	WG1947703
Iron	0.468	J	0.281	1.00	10	10/31/2022 20:01	WG1947703
Lead	U		0.00849	0.0200	10	10/31/2022 20:01	WG1947703
Manganese	2.13		0.00704	0.0500	10	10/31/2022 20:01	WG1947703
Potassium	28.1		1.08	20.0	10	10/31/2022 20:01	WG1947703
Selenium	0.0111	J	0.00300	0.0200	10	10/31/2022 20:01	WG1947703
Sodium	1870		3.76	20.0	10	10/31/2022 20:01	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	2.16		0.314	1.00	10	10/19/2022 02:15	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/19/2022 02:15*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	15.6		0.247	1.00	10	10/19/2022 20:27	WG1944334
(S) o-Terphenyl	*106*			*31.0-160*		*10/19/2022 20:27*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10900		400	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.111		0.0500	0.100	1	10/18/2022 20:56	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3480		37.9	100	100	10/18/2022 00:06	WG1943633
Fluoride	2.49		0.640	1.50	10	10/17/2022 23:50	WG1943633
Sulfate	4050		59.4	500	100	10/18/2022 00:06	WG1943633

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0145	J	0.00180	0.0200	10	10/31/2022 20:04	WG1947703
Barium	0.0295		0.00381	0.0200	10	10/31/2022 20:04	WG1947703
Calcium	606		0.936	10.0	10	10/31/2022 20:04	WG1947703
Chromium	U		0.0124	0.0200	10	10/31/2022 20:04	WG1947703
Iron	1.76		0.281	1.00	10	10/31/2022 20:04	WG1947703
Lead	U		0.00849	0.0200	10	10/31/2022 20:04	WG1947703
Manganese	0.777		0.00704	0.0500	10	10/31/2022 20:04	WG1947703
Potassium	4.99	J	1.08	20.0	10	10/31/2022 20:04	WG1947703
Selenium	0.00356	J	0.00300	0.0200	10	10/31/2022 20:04	WG1947703
Sodium	2620		3.76	20.0	10	10/31/2022 20:04	WG1947703

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/18/2022 23:02	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*10/18/2022 23:02*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.151		0.0247	0.100	1	10/19/2022 17:25	WG1944334
(S) o-Terphenyl	*96.3*			*31.0-160*		*10/19/2022 17:25*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9740		200	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 20:59	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4150		37.9	100	100	10/15/2022 15:42	WG1942486
Fluoride	U		6.40	15.0	100	10/15/2022 15:42	WG1942486
Sulfate	3240		59.4	500	100	10/15/2022 15:42	WG1942486

Sample Narrative:

L1546101-08 WG1942486: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00876		0.000180	0.00200	1	10/31/2022 15:18	WG1947704
Barium	0.0241		0.000381	0.00200	1	10/31/2022 15:18	WG1947704
Calcium	788	V	0.0936	1.00	1	10/31/2022 15:18	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:18	WG1947704
Iron	3.32		0.0281	0.100	1	10/31/2022 15:18	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:18	WG1947704
Manganese	1.82	V	0.000704	0.00500	1	10/31/2022 15:18	WG1947704
Potassium	12.9		0.108	2.00	1	10/31/2022 15:18	WG1947704
Selenium	0.000730	J	0.000300	0.00200	1	10/31/2022 15:18	WG1947704
Sodium	2360		1.88	10.0	5	11/01/2022 11:13	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.230		0.0314	0.100	1	10/18/2022 23:24	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*10/18/2022 23:24*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.744		0.0247	0.100	1	10/19/2022 17:45	WG1944334
(S) o-Terphenyl	*96.8*			*31.0-160*		*10/19/2022 17:45*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9300		200	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:01	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2970		37.9	100	100	10/15/2022 15:58	WG1942486
Fluoride	U		6.40	15.0	100	10/15/2022 15:58	WG1942486
Sulfate	4050		59.4	500	100	10/15/2022 15:58	WG1942486

Sample Narrative:

L1546101-09 WG1942486: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0927		0.000180	0.00200	1	10/31/2022 15:31	WG1947704
Barium	0.0171		0.000381	0.00200	1	10/31/2022 15:31	WG1947704
Calcium	662		0.0936	1.00	1	10/31/2022 15:31	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:31	WG1947704
Iron	11.9		0.0281	0.100	1	10/31/2022 15:31	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:31	WG1947704
Manganese	3.27		0.000704	0.00500	1	10/31/2022 15:31	WG1947704
Potassium	6.81		0.108	2.00	1	10/31/2022 15:31	WG1947704
Selenium	0.00145	J	0.000300	0.00200	1	10/31/2022 15:31	WG1947704
Sodium	2430		1.88	10.0	5	11/01/2022 11:16	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.24		0.314	1.00	10	10/19/2022 02:37	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/19/2022 02:37*	WG1944433

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.06		0.123	0.500	5	10/19/2022 20:06	WG1944334
(S) o-Terphenyl	*103*			*31.0-160*		*10/19/2022 20:06*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1800	J3	50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.358		0.0500	0.100	1	10/18/2022 21:02	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	141		0.379	1.00	1	10/15/2022 16:15	WG1942486
Fluoride	0.951		0.0640	0.150	1	10/15/2022 16:15	WG1942486
Sulfate	807		5.94	50.0	10	10/15/2022 16:32	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00405		0.000180	0.00200	1	10/31/2022 15:35	WG1947704
Barium	0.0272		0.000381	0.00200	1	10/31/2022 15:35	WG1947704
Calcium	242		0.0936	1.00	1	10/31/2022 15:35	WG1947704
Chromium	0.00324		0.00124	0.00200	1	10/31/2022 15:35	WG1947704
Iron	1.74		0.0281	0.100	1	10/31/2022 15:35	WG1947704
Lead	0.00241		0.000849	0.00200	1	10/31/2022 15:35	WG1947704
Manganese	0.111		0.000704	0.00500	1	10/31/2022 15:35	WG1947704
Potassium	1.14	J	0.108	2.00	1	10/31/2022 15:35	WG1947704
Selenium	0.00242		0.000300	0.00200	1	10/31/2022 15:35	WG1947704
Sodium	264		0.376	2.00	1	10/31/2022 15:35	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/18/2022 23:46	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/18/2022 23:46*	WG1944433

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 05:27	WG1943518
Benzene	U		0.0000941	0.00100	1	10/16/2022 05:27	WG1943518
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 05:27	WG1943518
Bromoform	U		0.000129	0.00100	1	10/16/2022 05:27	WG1943518
Bromomethane	U		0.000605	0.00500	1	10/16/2022 05:27	WG1943518
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 05:27	WG1943518
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 05:27	WG1943518
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 05:27	WG1943518
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 05:27	WG1943518
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 05:27	WG1943518
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 05:27	WG1943518
Chloroethane	U		0.000192	0.00500	1	10/16/2022 05:27	WG1943518
Chloroform	U		0.000111	0.00500	1	10/16/2022 05:27	WG1943518
Chloromethane	U		0.000960	0.00250	1	10/16/2022 05:27	WG1943518
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 05:27	WG1943518
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 05:27	WG1943518

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 05:27	WG1943518
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 05:27	WG1943518
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 05:27	WG1943518
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 05:27	WG1943518
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 05:27	WG1943518
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 05:27	WG1943518
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 05:27	WG1943518
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 05:27	WG1943518
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 05:27	WG1943518
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 05:27	WG1943518
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 05:27	WG1943518
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 05:27	WG1943518
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 05:27	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 05:27	WG1943518
Methyl tert-butyl ether	0.00231		0.000101	0.00100	1	10/16/2022 05:27	WG1943518
Naphthalene	U		0.00100	0.00500	1	10/16/2022 05:27	WG1943518
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 05:27	WG1943518
Styrene	U		0.000118	0.00100	1	10/16/2022 05:27	WG1943518
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 05:27	WG1943518
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 05:27	WG1943518
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 05:27	WG1943518
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 05:27	WG1943518
Toluene	U		0.000278	0.00100	1	10/16/2022 05:27	WG1943518
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 05:27	WG1943518
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 05:27	WG1943518
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 05:27	WG1943518
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 05:27	WG1943518
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 05:27	WG1943518
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 05:27	WG1943518
o-Xylene	U		0.000174	0.00100	1	10/16/2022 05:27	WG1943518
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 05:27	WG1943518
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 05:27	WG1943518
(S) Toluene-d8	*99.2*			*80.0-120*		*10/16/2022 05:27*	WG1943518
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*		*10/16/2022 05:27*	WG1943518
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*10/16/2022 05:27*	WG1943518

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.657		0.0247	0.100	1	10/19/2022 18:05	WG1944334
(S) o-Terphenyl	*90.5*			*31.0-160*		*10/19/2022 18:05*	WG1944334

LB-LF-01
Collected date/time: 10/11/22 15:00
L1546101

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:03	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/15/2022 22:45	WG1942486
Fluoride	U		0.0640	0.150	1	10/15/2022 22:45	WG1942486
Sulfate	U		0.594	5.00	1	10/15/2022 22:45	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/31/2022 16:10	WG1947704
Barium	0.000477	J	0.000381	0.00200	1	10/31/2022 16:10	WG1947704
Calcium	0.166	J	0.0936	1.00	1	10/31/2022 16:10	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:10	WG1947704
Iron	U		0.0281	0.100	1	10/31/2022 16:10	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:10	WG1947704
Manganese	U		0.000704	0.00500	1	10/31/2022 16:10	WG1947704
Potassium	U		0.108	2.00	1	10/31/2022 16:10	WG1947704
Selenium	0.00281		0.000300	0.00200	1	10/31/2022 16:10	WG1947704
Sodium	U		0.376	2.00	1	10/31/2022 16:10	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 12:50	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/19/2022 12:50*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 14:09	WG1944849
(S) o-Terphenyl	*105*			*31.0-160*		*10/20/2022 14:09*	WG1944849

LB-LT-04
Collected date/time: 10/11/22 10:55
L1546101

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:04	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/16/2022 02:59	WG1942486
Fluoride	U		0.0640	0.150	1	10/16/2022 02:59	WG1942486
Sulfate	U		0.594	5.00	1	10/16/2022 02:59	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/31/2022 16:52	WG1947704
Barium	0.000488	J	0.000381	0.00200	1	10/31/2022 16:52	WG1947704
Calcium	U		0.0936	1.00	1	11/01/2022 16:36	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:52	WG1947704
Iron	U		0.0281	0.100	1	10/31/2022 16:52	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:52	WG1947704
Manganese	U		0.000704	0.00500	1	10/31/2022 16:52	WG1947704
Potassium	U		0.108	2.00	1	11/01/2022 16:36	WG1947704
Selenium	0.00135	J	0.000300	0.00200	1	10/31/2022 16:52	WG1947704
Sodium	0.451	J	0.376	2.00	1	11/01/2022 16:36	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 13:12	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/19/2022 13:12*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 14:29	WG1944849
(S) o-Terphenyl	*104*			*31.0-160*		*10/20/2022 14:29*	WG1944849

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 17:05	WG1943418
Benzene	U		0.0000941	0.00100	1	10/15/2022 17:05	WG1943418
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 17:05	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 17:05	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 17:05	WG1943418
n-Butylbenzene	U		0.000157	0.00100	1	10/15/2022 17:05	WG1943418
sec-Butylbenzene	U		0.000125	0.00100	1	10/15/2022 17:05	WG1943418
Carbon disulfide	0.000141	J	0.0000962	0.00100	1	10/15/2022 17:05	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 17:05	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 17:05	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 17:05	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 17:05	WG1943418
Chloroform	0.000629	J	0.000111	0.00500	1	10/15/2022 17:05	WG1943418
Chloromethane	U		0.000960	0.00250	1	10/15/2022 17:05	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 17:05	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 17:05	WG1943418
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 17:05	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 17:05	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 17:05	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 17:05	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 17:05	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 17:05	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 17:05	WG1943418
Ethylbenzene	U		0.000137	0.00100	1	10/15/2022 17:05	WG1943418
Isopropylbenzene	U		0.000105	0.00100	1	10/15/2022 17:05	WG1943418
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 17:05	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 17:05	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 17:05	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 17:05	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 17:05	WG1943418
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/15/2022 17:05	WG1943418
Naphthalene	U		0.00100	0.00500	1	10/15/2022 17:05	WG1943418
n-Propylbenzene	U		0.0000993	0.00100	1	10/15/2022 17:05	WG1943418
Styrene	U		0.000118	0.00100	1	10/15/2022 17:05	WG1943418
tert-Butyl alcohol	U		0.00406	0.00500	1	10/15/2022 17:05	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 17:05	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 17:05	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 17:05	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 17:05	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 17:05	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 17:05	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 17:05	WG1943418
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/15/2022 17:05	WG1943418
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 17:05	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 17:05	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/15/2022 17:05	WG1943418
m&p-Xylene	U		0.000430	0.00200	1	10/15/2022 17:05	WG1943418
Xylenes, Total	U		0.000174	0.00300	1	10/15/2022 17:05	WG1943418
(S) Toluene-d8	*98.9*			*80.0-120*		*10/15/2022 17:05*	WG1943418
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*		*10/15/2022 17:05*	WG1943418
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*		*10/15/2022 17:05*	WG1943418

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5050		100	1	10/19/2022 16:54	WG1945498

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:10	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1240		7.58	20.0	20	10/16/2022 03:16	WG1942486
Fluoride	3.71		1.28	3.00	20	10/16/2022 03:16	WG1942486
Sulfate	2040		11.9	100	20	10/16/2022 03:16	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0273		0.000180	0.00200	1	10/31/2022 16:56	WG1947704
Barium	0.0159		0.000381	0.00200	1	10/31/2022 16:56	WG1947704
Calcium	464		0.0936	1.00	1	10/31/2022 16:56	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:56	WG1947704
Iron	3.05		0.0281	0.100	1	10/31/2022 16:56	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:56	WG1947704
Manganese	0.879		0.000704	0.00500	1	10/31/2022 16:56	WG1947704
Potassium	26.0		0.108	2.00	1	10/31/2022 16:56	WG1947704
Selenium	0.00270		0.000300	0.00200	1	10/31/2022 16:56	WG1947704
Sodium	926		0.376	2.00	1	10/31/2022 16:56	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.537		0.0314	0.100	1	10/25/2022 23:23	WG1948856
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/25/2022 23:23*	WG1948856

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.14		0.247	1.00	10	10/21/2022 06:24	WG1944849
(S) o-Terphenyl	*102*			*31.0-160*		*10/21/2022 06:24*	WG1944849

MW-75
Collected date/time: 10/12/22 10:45
L1546101

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3580		200	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:11	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1390		3.79	10.0	10	10/14/2022 13:00	WG1942487
Fluoride	7.02		0.640	1.50	10	10/14/2022 13:00	WG1942487
Sulfate	2070		59.4	500	100	10/14/2022 13:16	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.277		0.00180	0.0200	10	10/31/2022 20:44	WG1947705
Barium	0.0124	J	0.00381	0.0200	10	11/01/2022 15:17	WG1947705
Calcium	364		0.936	10.0	10	10/31/2022 20:44	WG1947705
Chromium	U		0.0124	0.0200	10	10/31/2022 20:44	WG1947705
Iron	4.89		0.281	1.00	10	10/31/2022 20:44	WG1947705
Lead	U		0.00849	0.0200	10	10/31/2022 20:44	WG1947705
Manganese	1.10		0.00704	0.0500	10	10/31/2022 20:44	WG1947705
Potassium	15.4	J	1.08	20.0	10	10/31/2022 20:44	WG1947705
Selenium	U		0.00300	0.0200	10	10/31/2022 20:44	WG1947705
Sodium	1360		3.76	20.0	10	10/31/2022 20:44	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.34		0.314	1.00	10	10/19/2022 17:14	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/19/2022 17:14*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	18.8		0.247	1.00	10	10/21/2022 06:03	WG1944849
(S) o-Terphenyl	*91.6*			*31.0-160*		*10/21/2022 06:03*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6220		100	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	12.4		0.250	0.500	5	10/18/2022 21:12	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	98.3		3.79	10.0	10	10/14/2022 13:33	WG1942487
Fluoride	5.54		0.640	1.50	10	10/14/2022 13:33	WG1942487
Sulfate	4410		59.4	500	100	10/14/2022 15:32	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0379		0.000180	0.00200	1	10/31/2022 23:38	WG1947705
Barium	0.0219		0.000381	0.00200	1	11/01/2022 15:20	WG1947705
Calcium	555		0.0936	1.00	1	10/31/2022 23:38	WG1947705
Chromium	0.00419		0.00124	0.00200	1	10/31/2022 23:38	WG1947705
Iron	6.02		0.0281	0.100	1	10/31/2022 23:38	WG1947705
Lead	U		0.000849	0.00200	1	10/31/2022 23:38	WG1947705
Manganese	0.482		0.000704	0.00500	1	10/31/2022 23:38	WG1947705
Potassium	62.5		0.108	2.00	1	10/31/2022 23:38	WG1947705
Selenium	0.0105		0.000300	0.00200	1	10/31/2022 23:38	WG1947705
Sodium	284		0.376	2.00	1	10/31/2022 23:38	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.149		0.0314	0.100	1	10/19/2022 13:34	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*10/19/2022 13:34*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	16.6		0.247	1.00	10	10/21/2022 06:44	WG1944849
(S) o-Terphenyl	*118*			*31.0-160*		*10/21/2022 06:44*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3970		100	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.266		0.0500	0.100	1	10/18/2022 21:13	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1480		3.79	10.0	10	10/14/2022 13:50	WG1942487
Fluoride	2.01		0.640	1.50	10	10/14/2022 13:50	WG1942487
Sulfate	2340		59.4	500	100	10/14/2022 15:49	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0286		0.000900	0.0100	5	10/31/2022 23:41	WG1947705
Barium	0.0138		0.00190	0.0100	5	11/01/2022 15:24	WG1947705
Calcium	602		0.468	5.00	5	10/31/2022 23:41	WG1947705
Chromium	U		0.00620	0.0100	5	10/31/2022 23:41	WG1947705
Iron	0.191	J	0.140	0.500	5	10/31/2022 23:41	WG1947705
Lead	U		0.00424	0.0100	5	10/31/2022 23:41	WG1947705
Manganese	0.860		0.00352	0.0250	5	10/31/2022 23:41	WG1947705
Potassium	6.35	J	0.540	10.0	5	10/31/2022 23:41	WG1947705
Selenium	0.0112		0.00150	0.0100	5	10/31/2022 23:41	WG1947705
Sodium	908		1.88	10.0	5	10/31/2022 23:41	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.394	B	0.0314	0.100	1	10/25/2022 23:45	WG1948856
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/25/2022 23:45*	WG1948856

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.39		0.0247	0.100	1	10/20/2022 16:32	WG1944849
(S) o-Terphenyl	*111*			*31.0-160*		*10/20/2022 16:32*	WG1944849

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00715	J	0.000900	0.0100	5	10/31/2022 23:44	WG1947705
Barium	0.0110		0.00190	0.0100	5	11/01/2022 15:27	WG1947705
Chromium	U		0.00620	0.0100	5	10/31/2022 23:44	WG1947705
Iron	U		0.140	0.500	5	10/31/2022 23:44	WG1947705
Lead	U		0.00424	0.0100	5	10/31/2022 23:44	WG1947705
Manganese	0.750		0.00352	0.0250	5	10/31/2022 23:44	WG1947705
Selenium	U		0.00150	0.0100	5	10/31/2022 23:44	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0489	J	0.0314	0.100	1	10/19/2022 13:56	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*10/19/2022 13:56*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.460		0.0247	0.100	1	10/20/2022 14:49	WG1944849
(S) o-Terphenyl	*108*			*31.0-160*		*10/20/2022 14:49*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	25900		1000	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.55		0.0500	0.100	1	10/18/2022 21:15	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	13400		37.9	100	100	10/14/2022 16:06	WG1942487
Fluoride	2.48		0.640	1.50	10	10/14/2022 14:07	WG1942487
Sulfate	8620		59.4	500	100	10/14/2022 16:06	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0334		0.00180	0.0200	10	10/31/2022 20:58	WG1947705
Barium	0.0256		0.00381	0.0200	10	11/01/2022 15:37	WG1947705
Calcium	769		0.936	10.0	10	10/31/2022 20:58	WG1947705
Chromium	U		0.0124	0.0200	10	10/31/2022 20:58	WG1947705
Iron	U		0.281	1.00	10	10/31/2022 20:58	WG1947705
Lead	U		0.00849	0.0200	10	10/31/2022 20:58	WG1947705
Manganese	0.311		0.00704	0.0500	10	10/31/2022 20:58	WG1947705
Potassium	6.19	J	1.08	20.0	10	10/31/2022 20:58	WG1947705
Selenium	0.0274		0.00300	0.0200	10	10/31/2022 20:58	WG1947705
Sodium	7210		3.76	20.0	10	10/31/2022 20:58	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.824		0.0314	0.100	1	10/19/2022 14:18	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*10/19/2022 14:18*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.36		0.0247	0.100	1	10/20/2022 15:09	WG1944849
(S) o-Terphenyl	*107*			*31.0-160*		*10/20/2022 15:09*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6340		200	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:16	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2320		37.9	100	100	10/14/2022 16:22	WG1942487
Fluoride	1.35	J	0.640	1.50	10	10/14/2022 14:24	WG1942487
Sulfate	2950		59.4	500	100	10/14/2022 16:22	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0204		0.00180	0.0200	10	10/31/2022 21:01	WG1947705
Barium	0.0219		0.00381	0.0200	10	11/01/2022 15:40	WG1947705
Calcium	651		0.936	10.0	10	10/31/2022 21:01	WG1947705
Chromium	U		0.0124	0.0200	10	10/31/2022 21:01	WG1947705
Iron	1.17		0.281	1.00	10	10/31/2022 21:01	WG1947705
Lead	U		0.00849	0.0200	10	10/31/2022 21:01	WG1947705
Manganese	2.27		0.00704	0.0500	10	10/31/2022 21:01	WG1947705
Potassium	2.54	J	1.08	20.0	10	10/31/2022 21:01	WG1947705
Selenium	U		0.00300	0.0200	10	10/31/2022 21:01	WG1947705
Sodium	1410		3.76	20.0	10	10/31/2022 21:01	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.11		0.0314	0.100	1	10/19/2022 14:40	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*10/19/2022 14:40*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.73		0.0247	0.100	1	10/20/2022 15:29	WG1944849
(S) o-Terphenyl	*107*			*31.0-160*		*10/20/2022 15:29*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1810		100	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:17	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1460		3.79	10.0	10	10/14/2022 14:41	WG1942487
Fluoride	1.01	J	0.640	1.50	10	10/14/2022 14:41	WG1942487
Sulfate	2100		59.4	500	100	10/14/2022 16:39	WG1942487

Sample Narrative:

L1546101-21 WG1942487: diluted due to matrix

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0194	J O1	0.00180	0.0200	10	10/31/2022 20:07	WG1947705
Barium	0.0317		0.00381	0.0200	10	11/01/2022 15:04	WG1947705
Calcium	507	V	0.936	10.0	10	10/31/2022 20:07	WG1947705
Chromium	U		0.0124	0.0200	10	10/31/2022 20:07	WG1947705
Iron	U		0.281	1.00	10	10/31/2022 20:07	WG1947705
Lead	U		0.00849	0.0200	10	10/31/2022 20:07	WG1947705
Manganese	3.28	V	0.00704	0.0500	10	10/31/2022 20:07	WG1947705
Potassium	2.87	J	1.08	20.0	10	10/31/2022 20:07	WG1947705
Selenium	U		0.00300	0.0200	10	10/31/2022 20:07	WG1947705
Sodium	1040	V	3.76	20.0	10	10/31/2022 20:07	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.793		0.0314	0.100	1	10/26/2022 00:07	WG1948856
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/26/2022 00:07*	WG1948856

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.09		0.0247	0.100	1	10/20/2022 15:49	WG1944849
(S) o-Terphenyl	*114*			*31.0-160*		*10/20/2022 15:49*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3890		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 21:18	WG1942629

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1350	V	3.79	10.0	10	10/14/2022 16:56	WG1942487
Fluoride	2.23		0.640	1.50	10	10/14/2022 16:56	WG1942487
Sulfate	1840	V	5.94	50.0	10	10/14/2022 16:56	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0601		0.000900	0.0100	5	10/31/2022 23:47	WG1947705
Barium	0.0126		0.00190	0.0100	5	11/01/2022 15:43	WG1947705
Calcium	391		0.468	5.00	5	10/31/2022 23:47	WG1947705
Chromium	U		0.00620	0.0100	5	10/31/2022 23:47	WG1947705
Iron	1.43		0.140	0.500	5	10/31/2022 23:47	WG1947705
Lead	U		0.00424	0.0100	5	10/31/2022 23:47	WG1947705
Manganese	1.71		0.00352	0.0250	5	10/31/2022 23:47	WG1947705
Potassium	6.02	J	0.540	10.0	5	10/31/2022 23:47	WG1947705
Selenium	U		0.00150	0.0100	5	10/31/2022 23:47	WG1947705
Sodium	888		1.88	10.0	5	10/31/2022 23:47	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.427	J	0.314	1.00	10	10/19/2022 18:20	WG1944440
TPH (GC/FID) Low Fraction	0.507	Q	0.0314	0.100	1	10/26/2022 00:29	WG1948856
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*10/19/2022 18:20*	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/26/2022 00:29*	WG1948856

Sample Narrative:

L1546101-22 WG1944440: GRO reporting twice due to initially being over diluted and out of hold in the rerun.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.46		0.247	1.00	10	10/21/2022 05:43	WG1944849
(S) o-Terphenyl	*105*			*31.0-160*		*10/21/2022 05:43*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	12800		400	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:05	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2890		37.9	100	100	10/14/2022 18:59	WG1942487
Fluoride	3.92		0.640	1.50	10	10/14/2022 18:08	WG1942487
Sulfate	7580		59.4	500	100	10/14/2022 18:59	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0712		0.00180	0.0200	10	10/31/2022 21:08	WG1947705
Barium	0.0112	J	0.00381	0.0200	10	11/01/2022 15:47	WG1947705
Calcium	490		0.936	10.0	10	10/31/2022 21:08	WG1947705
Chromium	U		0.0124	0.0200	10	10/31/2022 21:08	WG1947705
Iron	4.13		0.281	1.00	10	10/31/2022 21:08	WG1947705
Lead	U		0.00849	0.0200	10	10/31/2022 21:08	WG1947705
Manganese	1.63		0.00704	0.0500	10	10/31/2022 21:08	WG1947705
Potassium	4.87	J	1.08	20.0	10	10/31/2022 21:08	WG1947705
Selenium	U		0.00300	0.0200	10	10/31/2022 21:08	WG1947705
Sodium	3120		3.76	20.0	10	10/31/2022 21:08	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.887		0.0314	0.100	1	10/26/2022 00:51	WG1948856
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/26/2022 00:51*	WG1948856

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.92		0.0247	0.100	1	10/20/2022 16:12	WG1944849
(S) o-Terphenyl	*106*			*31.0-160*		*10/20/2022 16:12*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4020		200	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.170		0.0500	0.100	1	10/18/2022 22:06	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2450		37.9	100	100	10/14/2022 19:33	WG1942487
Fluoride	1.40	J	0.640	1.50	10	10/14/2022 19:16	WG1942487
Sulfate	3160		59.4	500	100	10/14/2022 19:33	WG1942487

Sample Narrative:

L1546101-24 WG1942487: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0121	J	0.00180	0.0200	10	10/31/2022 21:11	WG1947705
Barium	0.0178	J	0.00381	0.0200	10	11/01/2022 15:50	WG1947705
Calcium	425		0.936	10.0	10	10/31/2022 21:11	WG1947705
Chromium	U		0.0124	0.0200	10	10/31/2022 21:11	WG1947705
Iron	0.864	J	0.281	1.00	10	10/31/2022 21:11	WG1947705
Lead	U		0.00849	0.0200	10	10/31/2022 21:11	WG1947705
Manganese	0.549		0.00704	0.0500	10	10/31/2022 21:11	WG1947705
Potassium	3.07	J	1.08	20.0	10	10/31/2022 21:11	WG1947705
Selenium	U		0.00300	0.0200	10	10/31/2022 21:11	WG1947705
Sodium	1680		3.76	20.0	10	10/31/2022 21:11	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.285		0.0314	0.100	1	10/19/2022 15:02	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/19/2022 15:02*	WG1944440

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 15:21	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 15:21	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 15:21	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 15:21	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 15:21	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 15:21	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 15:21	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 15:21	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 15:21	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 15:21	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 15:21	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 15:21	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 15:21	WG1943620

MW-7A
Collected date/time: 10/12/22 09:05
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/16/2022 15:21	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 15:21	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 15:21	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 15:21	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 15:21	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 15:21	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 15:21	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 15:21	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 15:21	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 15:21	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 15:21	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 15:21	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 15:21	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 15:21	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 15:21	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 15:21	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 15:21	WG1943620
Methyl tert-butyl ether	0.000830	J	0.000101	0.00100	1	10/16/2022 15:21	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 15:21	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 15:21	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 15:21	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 15:21	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 15:21	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 15:21	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 15:21	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 15:21	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 15:21	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 15:21	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 15:21	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 15:21	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 15:21	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 15:21	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 15:21	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 15:21	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 15:21	WG1943620
(S) Toluene-d8	*107*			*80.0-120*		*10/16/2022 15:21*	WG1943620
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/16/2022 15:21*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*10/16/2022 15:21*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.842		0.0247	0.100	1	10/21/2022 22:24	WG1944849
(S) o-Terphenyl	*111*			*31.0-160*		*10/21/2022 22:24*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	12100		400	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:11	WG1942630

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/20/2022 15:43	WG1942622

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5000		37.9	100	100	10/14/2022 20:06	WG1942487
Fluoride	2.30		0.640	1.50	10	10/14/2022 19:50	WG1942487
Sulfate	4740		59.4	500	100	10/14/2022 20:06	WG1942487

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	10/26/2022 13:05	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	1.25		0.0200	0.200	1	10/27/2022 09:00	WG1947665

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0333		0.00180	0.0200	10	11/01/2022 00:03	WG1947705
Barium	0.0269		0.00381	0.0200	10	11/01/2022 15:53	WG1947705
Cadmium	U		0.00150	0.0100	10	11/01/2022 00:03	WG1947705
Calcium	688		0.936	10.0	10	11/01/2022 00:03	WG1947705
Chromium	U		0.0124	0.0200	10	11/01/2022 00:03	WG1947705
Cobalt	0.00329	J	0.000596	0.0200	10	11/01/2022 00:03	WG1947705
Iron	1.13		0.281	1.00	10	11/01/2022 00:03	WG1947705
Lead	U		0.00849	0.0200	10	11/01/2022 00:03	WG1947705
Manganese	3.16		0.00704	0.0500	10	11/01/2022 00:03	WG1947705
Nickel	0.0199	J	0.00816	0.0200	10	11/01/2022 00:03	WG1947705
Potassium	9.80	J	1.08	20.0	10	11/01/2022 00:03	WG1947705
Selenium	U		0.00300	0.0200	10	11/01/2022 00:03	WG1947705
Sodium	3060		3.76	20.0	10	11/01/2022 00:03	WG1947705
Uranium	0.00686	J	0.000789	0.0100	10	11/01/2022 00:03	WG1947705
Vanadium	U		0.00664	0.0500	10	11/01/2022 00:03	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.255	B	0.0314	0.100	1	10/26/2022 01:13	WG1948856

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/26/2022 01:13*	WG1948856

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.816		0.0247	0.100	1	10/21/2022 21:43	WG1944849
(S) o-Terphenyl	*105*			*31.0-160*		*10/21/2022 21:43*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3680		200	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.141		0.0500	0.100	1	10/18/2022 22:13	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2530		37.9	100	100	10/14/2022 20:40	WG1942487
Fluoride	1.45	J	0.640	1.50	10	10/14/2022 20:23	WG1942487
Sulfate	3270		59.4	500	100	10/14/2022 20:40	WG1942487

Sample Narrative:

L1546101-26 WG1942487: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0123	J	0.00180	0.0200	10	11/01/2022 00:08	WG1947705
Barium	0.0182	J	0.00381	0.0200	10	11/01/2022 15:57	WG1947705
Calcium	405		0.936	10.0	10	11/01/2022 00:08	WG1947705
Chromium	U		0.0124	0.0200	10	11/01/2022 00:08	WG1947705
Iron	0.884	J	0.281	1.00	10	11/01/2022 00:08	WG1947705
Lead	U		0.00849	0.0200	10	11/01/2022 00:08	WG1947705
Manganese	0.528		0.00704	0.0500	10	11/01/2022 00:08	WG1947705
Potassium	4.07	J	1.08	20.0	10	11/01/2022 00:08	WG1947705
Selenium	U		0.00300	0.0200	10	11/01/2022 00:08	WG1947705
Sodium	1620		3.76	20.0	10	11/01/2022 00:08	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.280		0.0314	0.100	1	10/19/2022 15:24	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/19/2022 15:24*	WG1944440

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 15:43	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 15:43	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 15:43	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 15:43	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 15:43	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 15:43	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 15:43	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 15:43	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 15:43	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 15:43	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 15:43	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 15:43	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 15:43	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/16/2022 15:43	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 15:43	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 15:43	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 15:43	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 15:43	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 15:43	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 15:43	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 15:43	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 15:43	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 15:43	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 15:43	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 15:43	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 15:43	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 15:43	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 15:43	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 15:43	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 15:43	WG1943620
Methyl tert-butyl ether	0.000831	J	0.000101	0.00100	1	10/16/2022 15:43	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 15:43	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 15:43	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 15:43	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 15:43	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 15:43	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 15:43	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 15:43	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 15:43	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 15:43	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 15:43	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 15:43	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 15:43	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 15:43	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 15:43	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 15:43	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 15:43	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 15:43	WG1943620
(S) Toluene-d8	*106*			*80.0-120*		*10/16/2022 15:43*	WG1943620
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/16/2022 15:43*	WG1943620
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*10/16/2022 15:43*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.39		0.0247	0.100	1	10/20/2022 17:53	WG1944849
(S) o-Terphenyl	*105*			*31.0-160*		*10/20/2022 17:53*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	25800		500	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.55		0.0500	0.100	1	10/18/2022 22:18	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	13600		37.9	100	100	10/14/2022 21:14	WG1942487
Fluoride	2.49		0.640	1.50	10	10/14/2022 20:57	WG1942487
Sulfate	8740		59.4	500	100	10/14/2022 21:14	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0331		0.00180	0.0200	10	11/01/2022 00:11	WG1947705
Barium	0.0227		0.00381	0.0200	10	11/01/2022 16:00	WG1947705
Calcium	767		0.936	10.0	10	11/01/2022 00:11	WG1947705
Chromium	U		0.0124	0.0200	10	11/01/2022 00:11	WG1947705
Iron	U		0.281	1.00	10	11/01/2022 00:11	WG1947705
Lead	U		0.00849	0.0200	10	11/01/2022 00:11	WG1947705
Manganese	0.326		0.00704	0.0500	10	11/01/2022 00:11	WG1947705
Potassium	7.17	J	1.08	20.0	10	11/01/2022 00:11	WG1947705
Selenium	0.0319		0.00300	0.0200	10	11/01/2022 00:11	WG1947705
Sodium	7270		3.76	20.0	10	11/01/2022 00:11	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.750	Q	0.0314	0.100	1	10/26/2022 01:35	WG1948856
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/26/2022 01:35*	WG1948856

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.839		0.0247	0.100	1	10/21/2022 22:04	WG1944849
(S) o-Terphenyl	*107*			*31.0-160*		*10/21/2022 22:04*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4720		100	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	0.288		0.0500	0.100	1	10/18/2022 22:19	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1500		3.79	10.0	10	10/14/2022 21:31	WG1942487
Fluoride	1.99		0.640	1.50	10	10/14/2022 21:31	WG1942487
Sulfate	2350		59.4	500	100	10/14/2022 22:22	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0282		0.000900	0.0100	5	11/01/2022 00:14	WG1947705
Barium	0.0146		0.00190	0.0100	5	11/01/2022 16:03	WG1947705
Calcium	603		0.468	5.00	5	11/01/2022 00:14	WG1947705
Chromium	0.0135		0.00620	0.0100	5	11/01/2022 00:14	WG1947705
Iron	0.235	J	0.140	0.500	5	11/01/2022 00:14	WG1947705
Lead	U		0.00424	0.0100	5	11/01/2022 00:14	WG1947705
Manganese	0.856		0.00352	0.0250	5	11/01/2022 00:14	WG1947705
Potassium	6.25	J	0.540	10.0	5	11/01/2022 00:14	WG1947705
Selenium	0.0108		0.00150	0.0100	5	11/01/2022 00:14	WG1947705
Sodium	889		1.88	10.0	5	11/01/2022 00:14	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.398		0.0314	0.100	1	10/19/2022 15:46	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/19/2022 15:46*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	8.21		0.0247	0.100	1	10/20/2022 18:13	WG1944849
(S) o-Terphenyl	*109*			*31.0-160*		*10/20/2022 18:13*	WG1944849

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:23	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.402	J	0.379	1.00	1	10/14/2022 22:39	WG1942487
Fluoride	U		0.0640	0.150	1	10/14/2022 22:39	WG1942487
Sulfate	U		0.594	5.00	1	10/14/2022 22:39	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	11/01/2022 00:18	WG1947705
Barium	0.000775	J	0.000381	0.00200	1	11/01/2022 16:13	WG1947705
Calcium	U		0.0936	1.00	1	11/01/2022 00:18	WG1947705
Chromium	0.00143	J	0.00124	0.00200	1	11/01/2022 00:18	WG1947705
Iron	U		0.0281	0.100	1	11/01/2022 00:18	WG1947705
Lead	U		0.000849	0.00200	1	11/01/2022 00:18	WG1947705
Manganese	U		0.000704	0.00500	1	11/01/2022 00:18	WG1947705
Potassium	U		0.108	2.00	1	11/01/2022 00:18	WG1947705
Selenium	U		0.000300	0.00200	1	11/01/2022 00:18	WG1947705
Sodium	U		0.376	2.00	1	11/01/2022 00:18	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 16:08	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/19/2022 16:08*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0766	J	0.0247	0.100	1	10/20/2022 18:33	WG1944849
(S) o-Terphenyl	*105*			*31.0-160*		*10/20/2022 18:33*	WG1944849

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 14:16	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 14:16	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 14:16	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 14:16	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 14:16	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 14:16	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 14:16	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 14:16	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 14:16	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 14:16	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 14:16	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 14:16	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 14:16	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 14:16	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 14:16	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 14:16	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 14:16	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 14:16	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 14:16	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 14:16	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 14:16	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 14:16	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 14:16	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 14:16	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 14:16	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 14:16	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 14:16	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 14:16	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 14:16	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 14:16	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 14:16	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 14:16	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 14:16	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 14:16	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 14:16	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 14:16	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 14:16	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 14:16	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 14:16	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 14:16	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 14:16	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 14:16	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 14:16	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 14:16	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 14:16	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 14:16	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 14:16	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 14:16	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 14:16*	WG1943620
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/16/2022 14:16*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*		*10/16/2022 14:16*	WG1943620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4400		200	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:24	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2360		37.9	100	100	10/14/2022 23:47	WG1942487
Fluoride	2.64		0.640	1.50	10	10/14/2022 23:30	WG1942487
Sulfate	3970		59.4	500	100	10/14/2022 23:47	WG1942487

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0307		0.00180	0.0200	10	11/01/2022 00:21	WG1947705
Barium	0.0388		0.00381	0.0200	10	11/01/2022 16:16	WG1947705
Calcium	707		0.936	10.0	10	11/01/2022 00:21	WG1947705
Chromium	U		0.0124	0.0200	10	11/01/2022 00:21	WG1947705
Iron	14.7		0.281	1.00	10	11/01/2022 00:21	WG1947705
Lead	U		0.00849	0.0200	10	11/01/2022 00:21	WG1947705
Manganese	5.93		0.00704	0.0500	10	11/01/2022 00:21	WG1947705
Potassium	4.08	J	1.08	20.0	10	11/01/2022 00:21	WG1947705
Selenium	U		0.00300	0.0200	10	11/01/2022 00:21	WG1947705
Sodium	1830		3.76	20.0	10	11/01/2022 00:21	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 16:30	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*10/19/2022 16:30*	WG1944440

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.227		0.0247	0.100	1	10/20/2022 18:54	WG1944849
(S) o-Terphenyl	*106*			*31.0-160*		*10/20/2022 18:54*	WG1944849

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00184	J	0.000900	0.0100	5	11/01/2022 00:31	WG1947705
Barium	0.0220		0.00190	0.0100	5	11/01/2022 16:20	WG1947705
Chromium	U		0.00620	0.0100	5	11/01/2022 00:31	WG1947705
Iron	3.59		0.140	0.500	5	11/01/2022 00:31	WG1947705
Lead	U		0.00424	0.0100	5	11/01/2022 00:31	WG1947705
Manganese	1.21		0.00352	0.0250	5	11/01/2022 00:31	WG1947705
Selenium	U		0.00150	0.0100	5	11/01/2022 00:31	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 04:50	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*91.7*			*78.0-120*		*10/20/2022 04:50*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0796	J	0.0247	0.100	1	10/20/2022 19:14	WG1944849
(S) o-Terphenyl	*104*			*31.0-160*		*10/20/2022 19:14*	WG1944849

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000856	J	0.000180	0.00200	1	11/01/2022 00:34	WG1947705
Barium	0.0231		0.000381	0.00200	1	11/01/2022 16:23	WG1947705
Chromium	U		0.00124	0.00200	1	11/01/2022 00:34	WG1947705
Iron	0.211		0.0281	0.100	1	11/01/2022 00:34	WG1947705
Lead	U		0.000849	0.00200	1	11/01/2022 00:34	WG1947705
Manganese	0.311		0.000704	0.00500	1	11/01/2022 00:34	WG1947705
Selenium	0.000643	J	0.000300	0.00200	1	11/01/2022 00:34	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 05:12	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*78.0-120*		*10/20/2022 05:12*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 02:08	WG1944851
(S) o-Terphenyl	*101*			*31.0-160*		*10/20/2022 02:08*	WG1944851

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00653	J	0.00180	0.0200	10	11/01/2022 01:24	WG1947705
Barium	0.0217		0.00381	0.0200	10	11/01/2022 16:26	WG1947705
Chromium	U		0.0124	0.0200	10	11/01/2022 01:24	WG1947705
Iron	4.91		0.281	1.00	10	11/01/2022 01:24	WG1947705
Lead	U		0.00849	0.0200	10	11/01/2022 01:24	WG1947705
Manganese	0.350		0.00704	0.0500	10	11/01/2022 01:24	WG1947705
Selenium	U		0.00300	0.0200	10	11/01/2022 01:24	WG1947705

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 05:34	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*85.4*			*78.0-120*		*10/20/2022 05:34*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 02:28	WG1944851
(S) o-Terphenyl	*100*			*31.0-160*		*10/20/2022 02:28*	WG1944851

MW-11A
Collected date/time: 10/11/22 11:40
L1546101

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	15000		400	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:25	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	8600		37.9	100	100	10/15/2022 00:21	WG1942487
Fluoride	0.882	J	0.640	1.50	10	10/15/2022 00:04	WG1942487
Sulfate	3560		59.4	500	100	10/15/2022 00:21	WG1942487

Sample Narrative:

L1546101-35 WG1942487: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Calcium	956		0.936	10.0	10	11/01/2022 01:27	WG1947705
Potassium	18.2	J	1.08	20.0	10	11/01/2022 01:27	WG1947705
Sodium	4330		3.76	20.0	10	11/01/2022 01:27	WG1947705

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	11000		400	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:27	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5300		37.9	100	100	10/15/2022 00:55	WG1942487
Fluoride	0.885	J	0.640	1.50	10	10/15/2022 00:38	WG1942487
Sulfate	3330		59.4	500	100	10/15/2022 00:55	WG1942487

Sample Narrative:

L1546101-36 WG1942487: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0159	J	0.00180	0.0200	10	10/31/2022 16:47	WG1947708
Barium	0.0270	O1	0.00381	0.0200	10	10/31/2022 16:47	WG1947708
Calcium	819	V	0.936	10.0	10	10/31/2022 16:47	WG1947708
Chromium	U		0.0124	0.0200	10	10/31/2022 16:47	WG1947708
Iron	12.2		0.281	1.00	10	10/31/2022 16:47	WG1947708
Lead	U		0.00849	0.0200	10	10/31/2022 16:47	WG1947708
Manganese	0.436		0.00704	0.0500	10	10/31/2022 16:47	WG1947708
Potassium	31.7		1.08	20.0	10	10/31/2022 16:47	WG1947708
Selenium	U		0.00300	0.0200	10	10/31/2022 16:47	WG1947708
Sodium	3010	V	3.76	20.0	10	10/31/2022 16:47	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.794		0.0314	0.100	1	10/20/2022 05:55	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*85.6*			*78.0-120*		*10/20/2022 05:55*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	1.03		0.0247	0.100	1	10/20/2022 02:48	WG1944851
(S) o-Terphenyl	*100*			*31.0-160*		*10/20/2022 02:48*	WG1944851

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00536	J	0.00180	0.0200	10	10/31/2022 17:01	WG1947708
Barium	0.0162	J	0.00381	0.0200	10	10/31/2022 17:01	WG1947708
Chromium	U		0.0124	0.0200	10	10/31/2022 17:01	WG1947708
Iron	U		0.281	1.00	10	10/31/2022 17:01	WG1947708
Lead	U		0.00849	0.0200	10	10/31/2022 17:01	WG1947708
Manganese	1.37		0.00704	0.0500	10	10/31/2022 17:01	WG1947708
Selenium	U		0.00300	0.0200	10	10/31/2022 17:01	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 07:43	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*85.4*			*78.0-120*		*10/20/2022 07:43*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.282		0.0247	0.100	1	10/20/2022 03:08	WG1944851
(S) o-Terphenyl	*102*			*31.0-160*		*10/20/2022 03:08*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	13800		400	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:28	WG1942630

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/20/2022 15:44	WG1942622

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	5580		37.9	100	100	10/15/2022 02:02	WG1942487
Fluoride	2.73		0.640	1.50	10	10/15/2022 01:45	WG1942487
Sulfate	5700		59.4	500	100	10/15/2022 02:02	WG1942487

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:07	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	2.04		0.0200	0.200	1	10/27/2022 09:03	WG1947665

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00472	J	0.00180	0.0200	10	10/31/2022 17:04	WG1947708
Barium	0.0175	J	0.00381	0.0200	10	10/31/2022 17:04	WG1947708
Cadmium	U		0.00150	0.0100	10	10/31/2022 17:04	WG1947708
Calcium	646		0.936	10.0	10	10/31/2022 17:04	WG1947708
Chromium	U		0.0124	0.0200	10	10/31/2022 17:04	WG1947708
Cobalt	U		0.000596	0.0200	10	10/31/2022 17:04	WG1947708
Iron	0.623	J	0.281	1.00	10	10/31/2022 17:04	WG1947708
Lead	U		0.00849	0.0200	10	10/31/2022 17:04	WG1947708
Manganese	1.54		0.00704	0.0500	10	10/31/2022 17:04	WG1947708
Nickel	0.00820	J	0.00816	0.0200	10	10/31/2022 17:04	WG1947708
Potassium	36.9		1.08	20.0	10	10/31/2022 17:04	WG1947708
Selenium	U		0.00300	0.0200	10	10/31/2022 17:04	WG1947708
Sodium	3410		3.76	20.0	10	10/31/2022 17:04	WG1947708
Uranium	0.0222		0.000789	0.0100	10	10/31/2022 17:04	WG1947708
Vanadium	U		0.00664	0.0500	10	10/31/2022 17:04	WG1947708

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.417		0.0247	0.100	1	10/20/2022 03:28	WG1944851

MW-18A
Collected date/time: 10/12/22 09:40
L1546101

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*102*			*31.0-160*		*10/20/2022 03:28*	WG1944851

MW - 70
Collected date/time: 10/12/22 11:10
L1546101

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0196		0.000180	0.00200	1	10/31/2022 18:57	WG1947708
Barium	0.0167		0.000381	0.00200	1	10/31/2022 18:57	WG1947708
Chromium	0.00158	J	0.00124	0.00200	1	10/31/2022 18:57	WG1947708
Iron	7.56		0.0281	0.100	1	10/31/2022 18:57	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 18:57	WG1947708
Manganese	0.317		0.000704	0.00500	1	10/31/2022 18:57	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 18:57	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	2.10		0.314	1.00	10	10/20/2022 04:07	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*78.0-120*		*10/20/2022 04:07*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	1.04		0.0247	0.100	1	10/20/2022 03:49	WG1944851
(S) o-Terphenyl	*101*			*31.0-160*		*10/20/2022 03:49*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5340		200	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:29	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3410		37.9	100	100	10/15/2022 02:36	WG1942487
Fluoride	1.26	J	0.640	1.50	10	10/15/2022 02:19	WG1942487
Sulfate	3850		59.4	500	100	10/15/2022 02:36	WG1942487

Sample Narrative:

L1546101-40 WG1942487: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.00180	0.0200	10	10/31/2022 17:11	WG1947708
Barium	0.0193	J	0.00381	0.0200	10	10/31/2022 17:11	WG1947708
Calcium	730		0.936	10.0	10	10/31/2022 17:11	WG1947708
Chromium	U		0.0124	0.0200	10	10/31/2022 17:11	WG1947708
Iron	4.75		0.281	1.00	10	10/31/2022 17:11	WG1947708
Lead	U		0.00849	0.0200	10	10/31/2022 17:11	WG1947708
Manganese	0.540		0.00704	0.0500	10	10/31/2022 17:11	WG1947708
Potassium	6.02	J	1.08	20.0	10	10/31/2022 17:11	WG1947708
Selenium	U		0.00300	0.0200	10	10/31/2022 17:11	WG1947708
Sodium	1720		3.76	20.0	10	10/31/2022 17:11	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 08:05	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*86.2*			*78.0-120*		*10/20/2022 08:05*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0283	J	0.0247	0.100	1	10/20/2022 04:09	WG1944851
(S) o-Terphenyl	*97.9*			*31.0-160*		*10/20/2022 04:09*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2040		50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	11.1		0.500	1.00	10	10/18/2022 22:34	WG1942630

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/20/2022 15:45	WG1942622

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	182		0.379	1.00	1	10/15/2022 02:53	WG1942487
Fluoride	1.99		0.0640	0.150	1	10/15/2022 02:53	WG1942487
Sulfate	1130		11.9	100	20	10/15/2022 03:10	WG1942487

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:10	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.761		0.0200	0.200	1	10/27/2022 09:05	WG1947665

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00384		0.000180	0.00200	1	10/31/2022 19:00	WG1947708
Barium	0.0126		0.000381	0.00200	1	10/31/2022 19:00	WG1947708
Cadmium	U		0.000150	0.00100	1	10/31/2022 19:00	WG1947708
Calcium	198		0.0936	1.00	1	10/31/2022 19:00	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:00	WG1947708
Cobalt	0.00101	J	0.0000596	0.00200	1	10/31/2022 19:00	WG1947708
Iron	0.0543	J	0.0281	0.100	1	10/31/2022 19:00	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:00	WG1947708
Manganese	0.0783		0.000704	0.00500	1	10/31/2022 19:00	WG1947708
Nickel	0.0436		0.000816	0.00200	1	10/31/2022 19:00	WG1947708
Potassium	0.271	J	0.108	2.00	1	10/31/2022 19:00	WG1947708
Selenium	0.00363		0.000300	0.00200	1	10/31/2022 19:00	WG1947708
Sodium	338		0.376	2.00	1	10/31/2022 19:00	WG1947708
Uranium	0.0120		0.0000789	0.00100	1	10/31/2022 19:00	WG1947708
Vanadium	0.0247		0.000664	0.00500	1	10/31/2022 19:00	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 08:26	WG1945412

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*78.0-120*		*10/20/2022 08:26*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 16:04	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 16:04	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 16:04	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 16:04	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 16:04	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 16:04	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 16:04	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 16:04	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 16:04	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 16:04	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 16:04	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 16:04	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 16:04	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 16:04	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 16:04	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 16:04	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 16:04	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 16:04	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 16:04	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 16:04	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 16:04	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 16:04	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 16:04	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 16:04	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 16:04	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 16:04	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 16:04	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 16:04	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 16:04	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 16:04	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 16:04	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 16:04	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 16:04	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 16:04	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 16:04	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 16:04	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 16:04	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 16:04	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 16:04	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 16:04	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 16:04	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 16:04	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 16:04	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 16:04	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 16:04	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 16:04	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 16:04	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 16:04	WG1943620
(S) Toluene-d8	*109*			*80.0-120*		*10/16/2022 16:04*	WG1943620
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/16/2022 16:04*	WG1943620

MW-32
Collected date/time: 10/12/22 09:35
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*10/16/2022 16:04*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.328		0.0247	0.100	1	10/20/2022 04:29	WG1944851
(S) o-Terphenyl	*101*			*31.0-160*		*10/20/2022 04:29*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1210		50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/18/2022 22:36	WG1942630

Sample Narrative:

L1546101-42 WG1942630: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	198		3.79	10.0	10	10/14/2022 17:47	WG1942489
Fluoride	1.83		0.0640	0.150	1	10/14/2022 17:31	WG1942489
Sulfate	207		5.94	50.0	10	10/14/2022 17:47	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00411		0.000180	0.00200	1	10/31/2022 19:03	WG1947708
Barium	1.33		0.000381	0.00200	1	10/31/2022 19:03	WG1947708
Calcium	113		0.0936	1.00	1	10/31/2022 19:03	WG1947708
Chromium	0.00470		0.00124	0.00200	1	10/31/2022 19:03	WG1947708
Iron	3.39		0.0281	0.100	1	10/31/2022 19:03	WG1947708
Lead	0.00254		0.000849	0.00200	1	10/31/2022 19:03	WG1947708
Manganese	0.149		0.000704	0.00500	1	10/31/2022 19:03	WG1947708
Potassium	1.12	J	0.108	2.00	1	10/31/2022 19:03	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 19:03	WG1947708
Sodium	431		0.376	2.00	1	10/31/2022 19:03	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.03		0.314	1.00	10	10/20/2022 04:29	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*87.2*			*78.0-120*		*10/20/2022 04:29*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	10/16/2022 21:06	WG1943620
Benzene	1.22		0.00235	0.0250	25	10/16/2022 21:06	WG1943620
Bromodichloromethane	U		0.00340	0.0250	25	10/16/2022 21:06	WG1943620
Bromoform	U		0.00322	0.0250	25	10/16/2022 21:06	WG1943620
Bromomethane	U		0.0151	0.125	25	10/16/2022 21:06	WG1943620
n-Butylbenzene	U		0.00393	0.0250	25	10/16/2022 21:06	WG1943620
sec-Butylbenzene	0.00747	J	0.00313	0.0250	25	10/16/2022 21:06	WG1943620
Carbon disulfide	U		0.00241	0.0250	25	10/16/2022 21:06	WG1943620
Carbon tetrachloride	U		0.00320	0.0250	25	10/16/2022 21:06	WG1943620
Chlorobenzene	U		0.00290	0.0250	25	10/16/2022 21:06	WG1943620
Chlorodibromomethane	U		0.00350	0.0250	25	10/16/2022 21:06	WG1943620
Chloroethane	U		0.00480	0.125	25	10/16/2022 21:06	WG1943620
Chloroform	U		0.00278	0.125	25	10/16/2022 21:06	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.0240	0.0625	25	10/16/2022 21:06	WG1943620
1,2-Dibromoethane	U		0.00315	0.0250	25	10/16/2022 21:06	WG1943620
1,1-Dichloroethane	U		0.00250	0.0250	25	10/16/2022 21:06	WG1943620
1,2-Dichloroethane	U		0.00205	0.0250	25	10/16/2022 21:06	WG1943620
1,1-Dichloroethene	U		0.00470	0.0250	25	10/16/2022 21:06	WG1943620
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	10/16/2022 21:06	WG1943620
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	10/16/2022 21:06	WG1943620
1,2-Dichloropropane	U		0.00373	0.0250	25	10/16/2022 21:06	WG1943620
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	10/16/2022 21:06	WG1943620
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	10/16/2022 21:06	WG1943620
Ethylbenzene	0.00403	J	0.00343	0.0250	25	10/16/2022 21:06	WG1943620
Isopropylbenzene	0.0544		0.00263	0.0250	25	10/16/2022 21:06	WG1943620
p-Isopropyltoluene	U		0.00300	0.0250	25	10/16/2022 21:06	WG1943620
2-Butanone (MEK)	U		0.0298	0.250	25	10/16/2022 21:06	WG1943620
2-Hexanone	U		0.0197	0.250	25	10/16/2022 21:06	WG1943620
Methylene Chloride	U		0.0107	0.125	25	10/16/2022 21:06	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	10/16/2022 21:06	WG1943620
Methyl tert-butyl ether	U		0.00253	0.0250	25	10/16/2022 21:06	WG1943620
Naphthalene	U		0.0250	0.125	25	10/16/2022 21:06	WG1943620
n-Propylbenzene	0.0600		0.00248	0.0250	25	10/16/2022 21:06	WG1943620
Styrene	U		0.00295	0.0250	25	10/16/2022 21:06	WG1943620
tert-Butyl alcohol	U		0.102	0.125	25	10/16/2022 21:06	WG1943620
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	10/16/2022 21:06	WG1943620
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	10/16/2022 21:06	WG1943620
Tetrachloroethene	U		0.00750	0.0250	25	10/16/2022 21:06	WG1943620
Toluene	0.0124	J	0.00695	0.0250	25	10/16/2022 21:06	WG1943620
1,1,1-Trichloroethane	U		0.00373	0.0250	25	10/16/2022 21:06	WG1943620
1,1,2-Trichloroethane	U		0.00395	0.0250	25	10/16/2022 21:06	WG1943620
Trichloroethene	U		0.00475	0.0250	25	10/16/2022 21:06	WG1943620
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	10/16/2022 21:06	WG1943620
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	10/16/2022 21:06	WG1943620
Vinyl chloride	U		0.00585	0.0250	25	10/16/2022 21:06	WG1943620
o-Xylene	U		0.00435	0.0250	25	10/16/2022 21:06	WG1943620
m&p-Xylene	U		0.0107	0.0500	25	10/16/2022 21:06	WG1943620
Xylenes, Total	U		0.00435	0.0750	25	10/16/2022 21:06	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 21:06*	WG1943620
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*10/16/2022 21:06*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*10/16/2022 21:06*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.43		0.0247	0.100	1	10/20/2022 04:49	WG1944851
(S) o-Terphenyl	*105*			*31.0-160*		*10/20/2022 04:49*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1230		25.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:37	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	31.7		0.379	1.00	1	10/14/2022 18:03	WG1942489
Fluoride	1.30		0.0640	0.150	1	10/14/2022 18:03	WG1942489
Sulfate	483		2.97	25.0	5	10/18/2022 06:45	WG1943989

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0388		0.000180	0.00200	1	10/31/2022 19:07	WG1947708
Barium	0.0483		0.000381	0.00200	1	10/31/2022 19:07	WG1947708
Calcium	94.2		0.0936	1.00	1	10/31/2022 19:07	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:07	WG1947708
Iron	1.19		0.0281	0.100	1	10/31/2022 19:07	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:07	WG1947708
Manganese	2.00		0.000704	0.00500	1	10/31/2022 19:07	WG1947708
Potassium	U		0.108	2.00	1	10/31/2022 19:07	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 19:07	WG1947708
Sodium	251		0.376	2.00	1	10/31/2022 19:07	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.554		0.0314	0.100	1	10/20/2022 08:48	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*86.8*			*78.0-120*		*10/20/2022 08:48*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 16:26	WG1943620
Benzene	0.000221	J	0.0000941	0.00100	1	10/16/2022 16:26	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 16:26	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 16:26	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 16:26	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 16:26	WG1943620
sec-Butylbenzene	0.00566		0.000125	0.00100	1	10/16/2022 16:26	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 16:26	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 16:26	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 16:26	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 16:26	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 16:26	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 16:26	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 16:26	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 16:26	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 16:26	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 16:26	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 16:26	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 16:26	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 16:26	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 16:26	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 16:26	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 16:26	WG1943620
Ethylbenzene	0.000388	J	0.000137	0.00100	1	10/16/2022 16:26	WG1943620
Isopropylbenzene	0.00240		0.000105	0.00100	1	10/16/2022 16:26	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 16:26	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 16:26	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 16:26	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 16:26	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 16:26	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 16:26	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 16:26	WG1943620
n-Propylbenzene	0.000809	J	0.0000993	0.00100	1	10/16/2022 16:26	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 16:26	WG1943620
tert-Butyl alcohol	0.00650		0.00406	0.00500	1	10/16/2022 16:26	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 16:26	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 16:26	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 16:26	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 16:26	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 16:26	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 16:26	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 16:26	WG1943620
1,2,4-Trimethylbenzene	0.00107		0.000322	0.00100	1	10/16/2022 16:26	WG1943620
1,3,5-Trimethylbenzene	0.000243	J	0.000104	0.00100	1	10/16/2022 16:26	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 16:26	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 16:26	WG1943620
m&p-Xylene	0.00132	J	0.000430	0.00200	1	10/16/2022 16:26	WG1943620
Xylenes, Total	0.00132	J	0.000174	0.00300	1	10/16/2022 16:26	WG1943620
(S) Toluene-d8	*114*			*80.0-120*		*10/16/2022 16:26*	WG1943620
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*10/16/2022 16:26*	WG1943620
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/16/2022 16:26*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.06		0.0247	0.100	1	10/20/2022 05:09	WG1944851
(S) o-Terphenyl	*105*			*31.0-160*		*10/20/2022 05:09*	WG1944851

EB-LT-02
Collected date/time: 10/12/22 10:50
L1546101

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/18/2022 22:38	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/14/2022 18:18	WG1942489
Fluoride	U		0.0640	0.150	1	10/14/2022 18:18	WG1942489
Sulfate	U		0.594	5.00	1	10/14/2022 18:18	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/31/2022 19:10	WG1947708
Barium	0.000549	J	0.000381	0.00200	1	10/31/2022 19:10	WG1947708
Calcium	0.143	J	0.0936	1.00	1	10/31/2022 19:10	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:10	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 19:10	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:10	WG1947708
Manganese	U		0.000704	0.00500	1	10/31/2022 19:10	WG1947708
Potassium	U		0.108	2.00	1	10/31/2022 19:10	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 19:10	WG1947708
Sodium	0.424	J	0.376	2.00	1	10/31/2022 19:10	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 07:22	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*10/20/2022 07:22*	WG1945412

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 05:30	WG1944851
(S) o-Terphenyl	*96.3*			*31.0-160*		*10/20/2022 05:30*	WG1944851

TRIP BLANK-LT-03
Collected date/time: 10/11/22 00:00
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 17:26	WG1943418
Benzene	U		0.0000941	0.00100	1	10/15/2022 17:26	WG1943418
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 17:26	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 17:26	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 17:26	WG1943418
n-Butylbenzene	U		0.000157	0.00100	1	10/15/2022 17:26	WG1943418
sec-Butylbenzene	U		0.000125	0.00100	1	10/15/2022 17:26	WG1943418
Carbon disulfide	U		0.0000962	0.00100	1	10/15/2022 17:26	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 17:26	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 17:26	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 17:26	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 17:26	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 17:26	WG1943418
Chloromethane	U		0.000960	0.00250	1	10/15/2022 17:26	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 17:26	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 17:26	WG1943418
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 17:26	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 17:26	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 17:26	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 17:26	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 17:26	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 17:26	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 17:26	WG1943418
Ethylbenzene	U		0.000137	0.00100	1	10/15/2022 17:26	WG1943418
Isopropylbenzene	U		0.000105	0.00100	1	10/15/2022 17:26	WG1943418
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 17:26	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 17:26	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 17:26	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 17:26	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 17:26	WG1943418
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/15/2022 17:26	WG1943418
Naphthalene	U		0.00100	0.00500	1	10/15/2022 17:26	WG1943418
n-Propylbenzene	U		0.0000993	0.00100	1	10/15/2022 17:26	WG1943418
Styrene	U		0.000118	0.00100	1	10/15/2022 17:26	WG1943418
tert-Butyl alcohol	U		0.00406	0.00500	1	10/15/2022 17:26	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 17:26	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 17:26	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 17:26	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 17:26	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 17:26	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 17:26	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 17:26	WG1943418
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/15/2022 17:26	WG1943418
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 17:26	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 17:26	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/15/2022 17:26	WG1943418
m&p-Xylene	U		0.000430	0.00200	1	10/15/2022 17:26	WG1943418
Xylenes, Total	U		0.000174	0.00300	1	10/15/2022 17:26	WG1943418
(S) Toluene-d8	*101*			*80.0-120*		*10/15/2022 17:26*	WG1943418
(S) 4-Bromofluorobenzene	*91.2*			*77.0-126*		*10/15/2022 17:26*	WG1943418
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*10/15/2022 17:26*	WG1943418

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2160		13.3	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/18/2022 22:39	WG1942630

Sample Narrative:

L1546101-46 WG1942630: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	371		3.79	10.0	10	10/14/2022 20:10	WG1942489
Fluoride	0.630		0.0640	0.150	1	10/14/2022 19:54	WG1942489
Sulfate	284		5.94	50.0	10	10/14/2022 20:10	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00111	J	0.000180	0.00200	1	10/31/2022 19:23	WG1947708
Barium	0.276		0.000381	0.00200	1	10/31/2022 19:23	WG1947708
Calcium	231		0.0936	1.00	1	10/31/2022 19:23	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:23	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 19:23	WG1947708
Lead	0.00230		0.000849	0.00200	1	10/31/2022 19:23	WG1947708
Manganese	0.259		0.000704	0.00500	1	10/31/2022 19:23	WG1947708
Potassium	0.295	J	0.108	2.00	1	10/31/2022 19:23	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 19:23	WG1947708
Sodium	328		0.376	2.00	1	10/31/2022 19:23	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	22.1		0.628	2.00	20	10/20/2022 03:45	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*78.0-120*		*10/20/2022 03:45*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 18:50	WG1943418
Benzene	8.50		0.00941	0.100	100	10/20/2022 11:24	WG1945829
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 18:50	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 18:50	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 18:50	WG1943418
n-Butylbenzene	0.0130		0.000157	0.00100	1	10/15/2022 18:50	WG1943418
sec-Butylbenzene	0.0208		0.000125	0.00100	1	10/15/2022 18:50	WG1943418
Carbon disulfide	0.000537	J	0.0000962	0.00100	1	10/15/2022 18:50	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 18:50	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 18:50	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 18:50	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 18:50	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 18:50	WG1943418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/15/2022 18:50	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 18:50	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 18:50	WG1943418
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 18:50	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 18:50	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 18:50	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 18:50	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 18:50	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 18:50	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 18:50	WG1943418
Ethylbenzene	2.58		0.0137	0.100	100	10/20/2022 11:24	WG1945829
Isopropylbenzene	0.148		0.000105	0.00100	1	10/15/2022 18:50	WG1943418
p-Isopropyltoluene	0.0120		0.000120	0.00100	1	10/15/2022 18:50	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 18:50	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 18:50	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 18:50	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 18:50	WG1943418
Methyl tert-butyl ether	0.0341		0.000101	0.00100	1	10/15/2022 18:50	WG1943418
Naphthalene	0.329	B J	0.100	0.500	100	10/20/2022 11:24	WG1945829
n-Propylbenzene	0.232		0.00993	0.100	100	10/20/2022 11:24	WG1945829
Styrene	U		0.000118	0.00100	1	10/15/2022 18:50	WG1943418
tert-Butyl alcohol	0.00870		0.00406	0.00500	1	10/15/2022 18:50	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 18:50	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 18:50	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 18:50	WG1943418
Toluene	0.0870		0.000278	0.00100	1	10/15/2022 18:50	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 18:50	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 18:50	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 18:50	WG1943418
1,2,4-Trimethylbenzene	0.654		0.0322	0.100	100	10/20/2022 11:24	WG1945829
1,3,5-Trimethylbenzene	0.0131		0.000104	0.00100	1	10/15/2022 18:50	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 18:50	WG1943418
o-Xylene	U		0.0174	0.100	100	10/20/2022 11:24	WG1945829
m&p-Xylene	1.06		0.0430	0.200	100	10/20/2022 11:24	WG1945829
Xylenes, Total	1.06		0.0174	0.300	100	10/20/2022 11:24	WG1945829
(S) Toluene-d8	*86.2*			*80.0-120*		*10/15/2022 18:50*	WG1943418
(S) Toluene-d8	*97.8*			*80.0-120*		*10/20/2022 11:24*	WG1945829
(S) 4-Bromofluorobenzene	*80.4*			*77.0-126*		*10/15/2022 18:50*	WG1943418
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/20/2022 11:24*	WG1945829
(S) 1,2-Dichloroethane-d4	*86.4*			*70.0-130*		*10/15/2022 18:50*	WG1943418
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*10/20/2022 11:24*	WG1945829

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.82		0.0247	0.100	1	10/20/2022 05:50	WG1944851
(S) o-Terphenyl	*110*			*31.0-160*		*10/20/2022 05:50*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4070		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.504		0.0500	0.100	1	10/18/2022 22:41	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	305		3.79	10.0	10	10/14/2022 20:26	WG1942489
Fluoride	1.42	J	0.640	1.50	10	10/14/2022 20:26	WG1942489
Sulfate	2450		59.4	500	100	10/14/2022 20:42	WG1942489

Sample Narrative:

L1546101-47 WG1942489: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00961		0.000180	0.00200	1	10/31/2022 19:26	WG1947708
Barium	0.0104		0.000381	0.00200	1	10/31/2022 19:26	WG1947708
Calcium	484		0.0936	1.00	1	10/31/2022 19:26	WG1947708
Chromium	0.00144	J	0.00124	0.00200	1	10/31/2022 19:26	WG1947708
Iron	0.542		0.0281	0.100	1	10/31/2022 19:26	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:26	WG1947708
Manganese	0.0910		0.000704	0.00500	1	10/31/2022 19:26	WG1947708
Potassium	1.39	J	0.108	2.00	1	10/31/2022 19:26	WG1947708
Selenium	0.00478		0.000300	0.00200	1	10/31/2022 19:26	WG1947708
Sodium	242		0.376	2.00	1	10/31/2022 19:26	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 09:09	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*78.0-120*		*10/20/2022 09:09*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 19:10	WG1943418
Benzene	0.00235		0.0000941	0.00100	1	10/20/2022 10:08	WG1945829
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 19:10	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 19:10	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 19:10	WG1943418
n-Butylbenzene	U		0.000157	0.00100	1	10/20/2022 10:08	WG1945829
sec-Butylbenzene	U		0.000125	0.00100	1	10/20/2022 10:08	WG1945829
Carbon disulfide	0.000329	J	0.0000962	0.00100	1	10/15/2022 19:10	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 19:10	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 19:10	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 19:10	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 19:10	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 19:10	WG1943418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/15/2022 19:10	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 19:10	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 19:10	WG1943418
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 19:10	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 19:10	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 19:10	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 19:10	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 19:10	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 19:10	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 19:10	WG1943418
Ethylbenzene	0.000544	J	0.000137	0.00100	1	10/20/2022 10:08	WG1945829
Isopropylbenzene	U		0.000105	0.00100	1	10/20/2022 10:08	WG1945829
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 19:10	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 19:10	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 19:10	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 19:10	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 19:10	WG1943418
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/15/2022 19:10	WG1943418
Naphthalene	U		0.00100	0.00500	1	10/20/2022 10:08	WG1945829
n-Propylbenzene	U		0.0000993	0.00100	1	10/20/2022 10:08	WG1945829
Styrene	U		0.000118	0.00100	1	10/15/2022 19:10	WG1943418
tert-Butyl alcohol	U		0.00406	0.00500	1	10/15/2022 19:10	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 19:10	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 19:10	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 19:10	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 19:10	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 19:10	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 19:10	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 19:10	WG1943418
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/20/2022 10:08	WG1945829
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 19:10	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 19:10	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/20/2022 10:08	WG1945829
m&p-Xylene	U		0.000430	0.00200	1	10/20/2022 10:08	WG1945829
Xylenes, Total	U		0.000174	0.00300	1	10/20/2022 10:08	WG1945829
(S) Toluene-d8	*99.4*			*80.0-120*		*10/15/2022 19:10*	WG1943418
(S) Toluene-d8	*103*			*80.0-120*		*10/20/2022 10:08*	WG1945829
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*10/15/2022 19:10*	WG1943418
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/20/2022 10:08*	WG1945829
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*		*10/15/2022 19:10*	WG1943418
(S) 1,2-Dichloroethane-d4	*79.6*			*70.0-130*		*10/20/2022 10:08*	WG1945829

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.108		0.0247	0.100	1	10/20/2022 06:10	WG1944851
(S) o-Terphenyl	*96.3*			*31.0-160*		*10/20/2022 06:10*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2720		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/18/2022 22:42	WG1942630

Sample Narrative:

L1546101-48 WG1942630: Dilution due to sulfide interference.

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:10	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	404		3.79	10.0	10	10/14/2022 20:58	WG1942489
Fluoride	1.26	J	0.640	1.50	10	10/14/2022 20:58	WG1942489
Sulfate	1270		5.94	50.0	10	10/14/2022 20:58	WG1942489

Sample Narrative:

L1546101-48 WG1942489: DILUTED DUE TO MATRIX

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:12	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.441		0.0200	0.200	1	10/27/2022 09:14	WG1947665

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000673	J	0.000180	0.00200	1	10/31/2022 19:29	WG1947708
Barium	0.0583		0.000381	0.00200	1	10/31/2022 19:29	WG1947708
Cadmium	U		0.000150	0.00100	1	10/31/2022 19:29	WG1947708
Calcium	386		0.0936	1.00	1	10/31/2022 19:29	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:29	WG1947708
Cobalt	0.000173	J	0.0000596	0.00200	1	10/31/2022 19:29	WG1947708
Iron	0.243		0.0281	0.100	1	10/31/2022 19:29	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:29	WG1947708
Manganese	2.31		0.000704	0.00500	1	10/31/2022 19:29	WG1947708
Nickel	0.000968	J	0.000816	0.00200	1	10/31/2022 19:29	WG1947708
Potassium	0.287	J	0.108	2.00	1	10/31/2022 19:29	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 19:29	WG1947708
Sodium	265		0.376	2.00	1	10/31/2022 19:29	WG1947708
Uranium	0.000476	J	0.0000789	0.00100	1	10/31/2022 19:29	WG1947708
Vanadium	0.00288	J	0.000664	0.00500	1	10/31/2022 19:29	WG1947708

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/20/2022 10:27	WG1945829
Benzene	0.00172		0.0000941	0.00100	1	10/20/2022 10:27	WG1945829
Bromodichloromethane	U		0.000136	0.00100	1	10/20/2022 10:27	WG1945829
Bromoform	U		0.000129	0.00100	1	10/20/2022 10:27	WG1945829
Bromomethane	U		0.000605	0.00500	1	10/20/2022 10:27	WG1945829
n-Butylbenzene	0.000891	B J	0.000157	0.00100	1	10/20/2022 10:27	WG1945829
sec-Butylbenzene	0.0170		0.000125	0.00100	1	10/20/2022 10:27	WG1945829
Carbon disulfide	0.000156	B J	0.0000962	0.00100	1	10/20/2022 10:27	WG1945829
Carbon tetrachloride	U		0.000128	0.00100	1	10/20/2022 10:27	WG1945829
Chlorobenzene	U		0.000116	0.00100	1	10/20/2022 10:27	WG1945829
Chlorodibromomethane	U		0.000140	0.00100	1	10/20/2022 10:27	WG1945829
Chloroethane	U		0.000192	0.00500	1	10/20/2022 10:27	WG1945829
Chloroform	U		0.000111	0.00500	1	10/20/2022 10:27	WG1945829
Chloromethane	U		0.000960	0.00250	1	10/20/2022 10:27	WG1945829
1,2-Dibromoethane	U		0.000126	0.00100	1	10/20/2022 10:27	WG1945829
1,1-Dichloroethane	U		0.000100	0.00100	1	10/20/2022 10:27	WG1945829
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/20/2022 10:27	WG1945829
1,1-Dichloroethene	U		0.000188	0.00100	1	10/20/2022 10:27	WG1945829
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/20/2022 10:27	WG1945829
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/20/2022 10:27	WG1945829
1,2-Dichloropropane	U		0.000149	0.00100	1	10/20/2022 10:27	WG1945829
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/20/2022 10:27	WG1945829
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/20/2022 10:27	WG1945829
Ethylbenzene	0.00122		0.000137	0.00100	1	10/20/2022 10:27	WG1945829
Isopropylbenzene	0.0705		0.000105	0.00100	1	10/20/2022 10:27	WG1945829
p-Isopropyltoluene	U		0.000120	0.00100	1	10/20/2022 10:27	WG1945829
2-Butanone (MEK)	U		0.00119	0.0100	1	10/20/2022 10:27	WG1945829
2-Hexanone	U		0.000787	0.0100	1	10/20/2022 10:27	WG1945829
Methylene Chloride	U		0.000430	0.00500	1	10/20/2022 10:27	WG1945829
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/20/2022 10:27	WG1945829
Methyl tert-butyl ether	0.00469		0.000101	0.00100	1	10/20/2022 10:27	WG1945829
Naphthalene	0.00143	B J	0.00100	0.00500	1	10/20/2022 10:27	WG1945829
n-Propylbenzene	0.0404		0.0000993	0.00100	1	10/20/2022 10:27	WG1945829
Styrene	U		0.000118	0.00100	1	10/20/2022 10:27	WG1945829
tert-Butyl alcohol	U		0.00406	0.00500	1	10/20/2022 10:27	WG1945829
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/20/2022 10:27	WG1945829
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/20/2022 10:27	WG1945829
Tetrachloroethene	U		0.000300	0.00100	1	10/20/2022 10:27	WG1945829
Toluene	U		0.000278	0.00100	1	10/20/2022 10:27	WG1945829
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/20/2022 10:27	WG1945829
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/20/2022 10:27	WG1945829
Trichloroethene	U		0.000190	0.00100	1	10/20/2022 10:27	WG1945829
1,2,4-Trimethylbenzene	0.00146		0.000322	0.00100	1	10/20/2022 10:27	WG1945829
1,3,5-Trimethylbenzene	0.000299	B J	0.000104	0.00100	1	10/20/2022 10:27	WG1945829
Vinyl chloride	U		0.000234	0.00100	1	10/20/2022 10:27	WG1945829
o-Xylene	U		0.000174	0.00100	1	10/20/2022 10:27	WG1945829
m&p-Xylene	U		0.000430	0.00200	1	10/20/2022 10:27	WG1945829
Xylenes, Total	U		0.000174	0.00300	1	10/20/2022 10:27	WG1945829
(S) Toluene-d8	*91.5*			*80.0-120*		*10/20/2022 10:27*	WG1945829
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*10/20/2022 10:27*	WG1945829
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*10/20/2022 10:27*	WG1945829

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.14		0.0247	0.100	1	10/20/2022 06:30	WG1944851

KWD-7
Collected date/time: 10/11/22 13:50
L1546101

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*109*			*31.0-160*		*10/20/2022 06:30*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4790		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	10.1		0.250	0.500	5	10/18/2022 22:43	WG1942630

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	570		3.79	10.0	10	10/14/2022 21:29	WG1942489
Fluoride	1.41	J	0.640	1.50	10	10/14/2022 21:29	WG1942489
Sulfate	2830		59.4	500	100	10/14/2022 21:45	WG1942489

Sample Narrative:

L1546101-49 WG1942489: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00324		0.000180	0.00200	1	10/31/2022 19:32	WG1947708
Barium	0.00895		0.000381	0.00200	1	10/31/2022 19:32	WG1947708
Calcium	538		0.0936	1.00	1	10/31/2022 19:32	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:32	WG1947708
Iron	0.0470	J	0.0281	0.100	1	10/31/2022 19:32	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:32	WG1947708
Manganese	0.00340	J	0.000704	0.00500	1	10/31/2022 19:32	WG1947708
Potassium	0.684	J	0.108	2.00	1	10/31/2022 19:32	WG1947708
Selenium	0.0224		0.000300	0.00200	1	10/31/2022 19:32	WG1947708
Sodium	621		0.376	2.00	1	10/31/2022 19:32	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 09:31	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*10/20/2022 09:31*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 19:31	WG1943418
Benzene	U		0.0000941	0.00100	1	10/20/2022 10:46	WG1945829
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 19:31	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 19:31	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 19:31	WG1943418
n-Butylbenzene	U		0.000157	0.00100	1	10/15/2022 19:31	WG1943418
sec-Butylbenzene	U		0.000125	0.00100	1	10/15/2022 19:31	WG1943418
Carbon disulfide	0.000185	J	0.0000962	0.00100	1	10/15/2022 19:31	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 19:31	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 19:31	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 19:31	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 19:31	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 19:31	WG1943418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/15/2022 19:31	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 19:31	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 19:31	WG1943418
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 19:31	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 19:31	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 19:31	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 19:31	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 19:31	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 19:31	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 19:31	WG1943418
Ethylbenzene	U		0.000137	0.00100	1	10/20/2022 10:46	WG1945829
Isopropylbenzene	U		0.000105	0.00100	1	10/15/2022 19:31	WG1943418
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 19:31	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 19:31	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 19:31	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 19:31	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 19:31	WG1943418
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/15/2022 19:31	WG1943418
Naphthalene	U		0.00100	0.00500	1	10/15/2022 19:31	WG1943418
n-Propylbenzene	0.00119		0.0000993	0.00100	1	10/20/2022 10:46	WG1945829
Styrene	U		0.000118	0.00100	1	10/15/2022 19:31	WG1943418
tert-Butyl alcohol	U		0.00406	0.00500	1	10/15/2022 19:31	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 19:31	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 19:31	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 19:31	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 19:31	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 19:31	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 19:31	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 19:31	WG1943418
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/15/2022 19:31	WG1943418
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 19:31	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 19:31	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/15/2022 19:31	WG1943418
m&p-Xylene	U		0.000430	0.00200	1	10/15/2022 19:31	WG1943418
Xylenes, Total	U		0.000174	0.00300	1	10/15/2022 19:31	WG1943418
(S) Toluene-d8	*102*			*80.0-120*		*10/15/2022 19:31*	WG1943418
(S) Toluene-d8	*101*			*80.0-120*		*10/20/2022 10:46*	WG1945829
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*10/15/2022 19:31*	WG1943418
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*10/20/2022 10:46*	WG1945829
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*10/15/2022 19:31*	WG1943418
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*10/20/2022 10:46*	WG1945829

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0437	J	0.0247	0.100	1	10/20/2022 06:50	WG1944851
(S) o-Terphenyl	*95.3*			*31.0-160*		*10/20/2022 06:50*	WG1944851

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/16/2022 00:24	WG1943418
Benzene	U		0.00188	0.0200	20	10/16/2022 00:24	WG1943418
Bromodichloromethane	U		0.00272	0.0200	20	10/16/2022 00:24	WG1943418
Bromoform	U	J4	0.00258	0.0200	20	10/16/2022 00:24	WG1943418
Bromomethane	U		0.0121	0.100	20	10/16/2022 00:24	WG1943418
n-Butylbenzene	U		0.00314	0.0200	20	10/16/2022 00:24	WG1943418
sec-Butylbenzene	U		0.00250	0.0200	20	10/16/2022 00:24	WG1943418
Carbon disulfide	U		0.00192	0.0200	20	10/16/2022 00:24	WG1943418
Carbon tetrachloride	U		0.00256	0.0200	20	10/16/2022 00:24	WG1943418
Chlorobenzene	U		0.00232	0.0200	20	10/16/2022 00:24	WG1943418
Chlorodibromomethane	U	J4	0.00280	0.0200	20	10/16/2022 00:24	WG1943418
Chloroethane	U		0.00384	0.100	20	10/16/2022 00:24	WG1943418
Chloroform	U		0.00222	0.100	20	10/16/2022 00:24	WG1943418
Chloromethane	U		0.0192	0.0500	20	10/16/2022 00:24	WG1943418
1,2-Dibromoethane	U		0.00252	0.0200	20	10/16/2022 00:24	WG1943418
1,1-Dichloroethane	U		0.00200	0.0200	20	10/16/2022 00:24	WG1943418
1,2-Dichloroethane	U		0.00164	0.0200	20	10/16/2022 00:24	WG1943418
1,1-Dichloroethene	U		0.00376	0.0200	20	10/16/2022 00:24	WG1943418
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/16/2022 00:24	WG1943418
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/16/2022 00:24	WG1943418
1,2-Dichloropropane	U		0.00298	0.0200	20	10/16/2022 00:24	WG1943418
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/16/2022 00:24	WG1943418
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/16/2022 00:24	WG1943418
Ethylbenzene	U		0.00274	0.0200	20	10/16/2022 00:24	WG1943418
Isopropylbenzene	U		0.00210	0.0200	20	10/16/2022 00:24	WG1943418
p-Isopropyltoluene	U		0.00240	0.0200	20	10/16/2022 00:24	WG1943418
2-Butanone (MEK)	U		0.0238	0.200	20	10/16/2022 00:24	WG1943418
2-Hexanone	U		0.0157	0.200	20	10/16/2022 00:24	WG1943418
Methylene Chloride	U		0.00860	0.100	20	10/16/2022 00:24	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/16/2022 00:24	WG1943418
Methyl tert-butyl ether	0.554		0.00202	0.0200	20	10/16/2022 00:24	WG1943418
Naphthalene	U		0.0200	0.100	20	10/16/2022 00:24	WG1943418
n-Propylbenzene	U		0.00199	0.0200	20	10/16/2022 00:24	WG1943418
Styrene	U		0.00236	0.0200	20	10/16/2022 00:24	WG1943418
tert-Butyl alcohol	U		0.0812	0.100	20	10/16/2022 00:24	WG1943418
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/16/2022 00:24	WG1943418
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/16/2022 00:24	WG1943418
Tetrachloroethene	U		0.00600	0.0200	20	10/16/2022 00:24	WG1943418
Toluene	U		0.00556	0.0200	20	10/16/2022 00:24	WG1943418
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/16/2022 00:24	WG1943418
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/16/2022 00:24	WG1943418
Trichloroethene	U		0.00380	0.0200	20	10/16/2022 00:24	WG1943418
1,2,4-Trimethylbenzene	U		0.00644	0.0200	20	10/16/2022 00:24	WG1943418
1,3,5-Trimethylbenzene	U		0.00208	0.0200	20	10/16/2022 00:24	WG1943418
Vinyl chloride	U		0.00468	0.0200	20	10/16/2022 00:24	WG1943418
o-Xylene	U		0.00348	0.0200	20	10/16/2022 00:24	WG1943418
m&p-Xylene	U		0.00860	0.0400	20	10/16/2022 00:24	WG1943418
Xylenes, Total	U		0.00348	0.0600	20	10/16/2022 00:24	WG1943418
(S) Toluene-d8	*101*			*80.0-120*		*10/16/2022 00:24*	WG1943418
(S) 4-Bromofluorobenzene	*91.3*			*77.0-126*		*10/16/2022 00:24*	WG1943418
(S) 1,2-Dichloroethane-d4	*87.6*			*70.0-130*		*10/16/2022 00:24*	WG1943418

Sample Narrative:

L1546101-50 WG1943418: Target compounds too high to run at a lower dilution.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4440		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	13.4		0.250	0.500	5	10/19/2022 14:52	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	670		3.79	10.0	10	10/14/2022 22:01	WG1942489
Fluoride	1.93		0.640	1.50	10	10/14/2022 22:01	WG1942489
Sulfate	2440		59.4	500	100	10/14/2022 22:20	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00587		0.000180	0.00200	1	10/31/2022 19:38	WG1947708
Barium	0.00936		0.000381	0.00200	1	10/31/2022 19:38	WG1947708
Calcium	545		0.0936	1.00	1	10/31/2022 19:38	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:38	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 19:38	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:38	WG1947708
Manganese	0.637		0.000704	0.00500	1	10/31/2022 19:38	WG1947708
Potassium	1.80	J	0.108	2.00	1	10/31/2022 19:38	WG1947708
Selenium	0.0549		0.000300	0.00200	1	10/31/2022 19:38	WG1947708
Sodium	423		0.376	2.00	1	10/31/2022 19:38	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.180		0.0314	0.100	1	10/20/2022 09:52	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*78.0-120*		*10/20/2022 09:52*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 19:52	WG1943418
Benzene	0.00332	J	0.000471	0.00500	5	10/20/2022 11:45	WG1945829
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 19:52	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 19:52	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 19:52	WG1943418
n-Butylbenzene	U		0.000157	0.00100	1	10/15/2022 19:52	WG1943418
sec-Butylbenzene	U		0.000125	0.00100	1	10/15/2022 19:52	WG1943418
Carbon disulfide	0.000135	J	0.0000962	0.00100	1	10/15/2022 19:52	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 19:52	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 19:52	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 19:52	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 19:52	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 19:52	WG1943418
Chloromethane	U		0.000960	0.00250	1	10/15/2022 19:52	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 19:52	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 19:52	WG1943418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 19:52	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 19:52	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 19:52	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 19:52	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 19:52	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 19:52	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 19:52	WG1943418
Ethylbenzene	0.00429	J	0.000685	0.00500	5	10/20/2022 11:45	WG1945829
Isopropylbenzene	U		0.000105	0.00100	1	10/15/2022 19:52	WG1943418
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 19:52	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 19:52	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 19:52	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 19:52	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 19:52	WG1943418
Methyl tert-butyl ether	0.222		0.000505	0.00500	5	10/20/2022 11:45	WG1945829
Naphthalene	U		0.00100	0.00500	1	10/15/2022 19:52	WG1943418
n-Propylbenzene	U		0.0000993	0.00100	1	10/15/2022 19:52	WG1943418
Styrene	U		0.000118	0.00100	1	10/15/2022 19:52	WG1943418
tert-Butyl alcohol	U		0.00406	0.00500	1	10/15/2022 19:52	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 19:52	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 19:52	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 19:52	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 19:52	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 19:52	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 19:52	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 19:52	WG1943418
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/15/2022 19:52	WG1943418
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 19:52	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 19:52	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/15/2022 19:52	WG1943418
m&p-Xylene	U		0.000430	0.00200	1	10/15/2022 19:52	WG1943418
Xylenes, Total	U		0.000174	0.00300	1	10/15/2022 19:52	WG1943418
(S) Toluene-d8	*101*			*80.0-120*		*10/15/2022 19:52*	WG1943418
(S) Toluene-d8	*99.4*			*80.0-120*		*10/20/2022 11:45*	WG1945829
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*		*10/15/2022 19:52*	WG1943418
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/20/2022 11:45*	WG1945829
(S) 1,2-Dichloroethane-d4	*87.0*			*70.0-130*		*10/15/2022 19:52*	WG1943418
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*10/20/2022 11:45*	WG1945829

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0743	J	0.0247	0.100	1	10/20/2022 07:11	WG1944851
(S) o-Terphenyl	*97.9*			*31.0-160*		*10/20/2022 07:11*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2860		50.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 14:53	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:11	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	388		3.79	10.0	10	10/14/2022 23:07	WG1942489
Fluoride	1.00	J	0.640	1.50	10	10/14/2022 23:07	WG1942489
Sulfate	1390		5.94	50.0	10	10/14/2022 23:07	WG1942489

Sample Narrative:

L1546101-52 WG1942489: DILUTED DUE TO MATRIX

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:18	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.360		0.0200	0.200	1	10/27/2022 09:17	WG1947665

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00238		0.000180	0.00200	1	10/31/2022 19:41	WG1947708
Barium	0.0219		0.000381	0.00200	1	10/31/2022 19:41	WG1947708
Cadmium	U		0.000150	0.00100	1	10/31/2022 19:41	WG1947708
Calcium	410		0.0936	1.00	1	10/31/2022 19:41	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 19:41	WG1947708
Cobalt	0.000703	J	0.0000596	0.00200	1	10/31/2022 19:41	WG1947708
Iron	0.732		0.0281	0.100	1	10/31/2022 19:41	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 19:41	WG1947708
Manganese	0.336		0.000704	0.00500	1	10/31/2022 19:41	WG1947708
Nickel	0.00270		0.000816	0.00200	1	10/31/2022 19:41	WG1947708
Potassium	0.642	J	0.108	2.00	1	10/31/2022 19:41	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 19:41	WG1947708
Sodium	266		0.376	2.00	1	10/31/2022 19:41	WG1947708
Uranium	0.0142		0.0000789	0.00100	1	10/31/2022 19:41	WG1947708
Vanadium	0.00792		0.000664	0.00500	1	10/31/2022 19:41	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.153		0.0314	0.100	1	10/20/2022 10:14	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*90.6*			*78.0-120*		*10/20/2022 10:14*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 20:13	WG1943418
Benzene	0.0129		0.0000941	0.00100	1	10/15/2022 20:13	WG1943418
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 20:13	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 20:13	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 20:13	WG1943418
n-Butylbenzene	0.000449	J	0.000157	0.00100	1	10/15/2022 20:13	WG1943418
sec-Butylbenzene	0.00170		0.000125	0.00100	1	10/15/2022 20:13	WG1943418
Carbon disulfide	0.000151	J	0.0000962	0.00100	1	10/15/2022 20:13	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 20:13	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 20:13	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 20:13	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 20:13	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 20:13	WG1943418
Chloromethane	U		0.000960	0.00250	1	10/15/2022 20:13	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 20:13	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 20:13	WG1943418
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/15/2022 20:13	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 20:13	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 20:13	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 20:13	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 20:13	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 20:13	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 20:13	WG1943418
Ethylbenzene	0.000721	J	0.000137	0.00100	1	10/15/2022 20:13	WG1943418
Isopropylbenzene	0.00320		0.000105	0.00100	1	10/15/2022 20:13	WG1943418
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 20:13	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 20:13	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 20:13	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 20:13	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 20:13	WG1943418
Methyl tert-butyl ether	0.00158		0.000101	0.00100	1	10/20/2022 11:05	WG1945829
Naphthalene	U		0.00100	0.00500	1	10/15/2022 20:13	WG1943418
n-Propylbenzene	0.00227		0.0000993	0.00100	1	10/15/2022 20:13	WG1943418
Styrene	U		0.000118	0.00100	1	10/15/2022 20:13	WG1943418
tert-Butyl alcohol	0.0114		0.00406	0.00500	1	10/15/2022 20:13	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 20:13	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 20:13	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 20:13	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 20:13	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 20:13	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 20:13	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 20:13	WG1943418
1,2,4-Trimethylbenzene	0.000699	J	0.000322	0.00100	1	10/15/2022 20:13	WG1943418
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 20:13	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 20:13	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/15/2022 20:13	WG1943418
m&p-Xylene	U		0.000430	0.00200	1	10/15/2022 20:13	WG1943418
Xylenes, Total	U		0.000174	0.00300	1	10/15/2022 20:13	WG1943418
(S) Toluene-d8	*102*			*80.0-120*		*10/15/2022 20:13*	WG1943418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Toluene-d8	*99.2*			*80.0-120*		*10/20/2022 11:05*	WG1945829
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*10/15/2022 20:13*	WG1943418
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/20/2022 11:05*	WG1945829
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*10/15/2022 20:13*	WG1943418
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*10/20/2022 11:05*	WG1945829

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00000547	0.0000204	1.02	10/18/2022 22:21	WG1944194

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.341		0.0247	0.100	1	10/20/2022 07:31	WG1944851
(S) o-Terphenyl	*97.9*			*31.0-160*		*10/20/2022 07:31*	WG1944851

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	0.000378	J	0.0000447	0.000400	1	10/16/2022 12:36	WG1941851
(S) Nitrobenzene-d5	*51.9*			*10.0-120*		*10/16/2022 12:36*	WG1941851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2720		50.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	2.08		0.0500	0.100	1	10/19/2022 14:59	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:12	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	349		3.79	10.0	10	10/14/2022 23:39	WG1942489
Fluoride	0.832	J	0.640	1.50	10	10/14/2022 23:39	WG1942489
Sulfate	1470		5.94	50.0	10	10/14/2022 23:39	WG1942489

Sample Narrative:

L1546101-53 WG1942489: DILUTED DUE TO MATRIX

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	0.000160	J	0.000100	0.000200	1	10/26/2022 13:20	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.116	J	0.0200	0.200	1	10/25/2022 08:51	WG1947650

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00157	J	0.000180	0.00200	1	10/31/2022 20:21	WG1947708
Barium	0.0142		0.000381	0.00200	1	10/31/2022 20:21	WG1947708
Cadmium	U		0.000150	0.00100	1	10/31/2022 20:21	WG1947708
Calcium	499		0.0936	1.00	1	10/31/2022 20:21	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 20:21	WG1947708
Cobalt	U		0.0000596	0.00200	1	10/31/2022 20:21	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 20:21	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 20:21	WG1947708
Manganese	0.00167	J	0.000704	0.00500	1	10/31/2022 20:21	WG1947708
Nickel	U		0.000816	0.00200	1	10/31/2022 20:21	WG1947708
Potassium	2.09		0.108	2.00	1	10/31/2022 20:21	WG1947708
Selenium	0.00605		0.000300	0.00200	1	10/31/2022 20:21	WG1947708
Sodium	106		0.376	2.00	1	10/31/2022 20:21	WG1947708
Uranium	0.0141		0.0000789	0.00100	1	10/31/2022 20:21	WG1947708
Vanadium	0.00953		0.000664	0.00500	1	10/31/2022 20:21	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 10:40	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*78.0-120*		*10/20/2022 10:40*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/15/2022 20:34	WG1943418
Benzene	0.000106	J	0.0000941	0.00100	1	10/15/2022 20:34	WG1943418
Bromodichloromethane	U		0.000136	0.00100	1	10/15/2022 20:34	WG1943418
Bromoform	U	J4	0.000129	0.00100	1	10/15/2022 20:34	WG1943418
Bromomethane	U		0.000605	0.00500	1	10/15/2022 20:34	WG1943418
n-Butylbenzene	U		0.000157	0.00100	1	10/15/2022 20:34	WG1943418
sec-Butylbenzene	U		0.000125	0.00100	1	10/15/2022 20:34	WG1943418
Carbon disulfide	0.000119	J	0.0000962	0.00100	1	10/15/2022 20:34	WG1943418
Carbon tetrachloride	U		0.000128	0.00100	1	10/15/2022 20:34	WG1943418
Chlorobenzene	U		0.000116	0.00100	1	10/15/2022 20:34	WG1943418
Chlorodibromomethane	U	J4	0.000140	0.00100	1	10/15/2022 20:34	WG1943418
Chloroethane	U		0.000192	0.00500	1	10/15/2022 20:34	WG1943418
Chloroform	U		0.000111	0.00500	1	10/15/2022 20:34	WG1943418
Chloromethane	U		0.000960	0.00250	1	10/15/2022 20:34	WG1943418
1,2-Dibromoethane	U		0.000126	0.00100	1	10/15/2022 20:34	WG1943418
1,1-Dichloroethane	U		0.000100	0.00100	1	10/15/2022 20:34	WG1943418
1,2-Dichloroethane	0.000270	J	0.0000819	0.00100	1	10/15/2022 20:34	WG1943418
1,1-Dichloroethene	U		0.000188	0.00100	1	10/15/2022 20:34	WG1943418
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/15/2022 20:34	WG1943418
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/15/2022 20:34	WG1943418
1,2-Dichloropropane	U		0.000149	0.00100	1	10/15/2022 20:34	WG1943418
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/15/2022 20:34	WG1943418
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/15/2022 20:34	WG1943418
Ethylbenzene	U		0.000137	0.00100	1	10/15/2022 20:34	WG1943418
Isopropylbenzene	U		0.000105	0.00100	1	10/15/2022 20:34	WG1943418
p-Isopropyltoluene	U		0.000120	0.00100	1	10/15/2022 20:34	WG1943418
2-Butanone (MEK)	U		0.00119	0.0100	1	10/15/2022 20:34	WG1943418
2-Hexanone	U		0.000787	0.0100	1	10/15/2022 20:34	WG1943418
Methylene Chloride	U		0.000430	0.00500	1	10/15/2022 20:34	WG1943418
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/15/2022 20:34	WG1943418
Methyl tert-butyl ether	0.00145		0.000101	0.00100	1	10/15/2022 20:34	WG1943418
Naphthalene	U		0.00100	0.00500	1	10/15/2022 20:34	WG1943418
n-Propylbenzene	U		0.0000993	0.00100	1	10/15/2022 20:34	WG1943418
Styrene	U		0.000118	0.00100	1	10/15/2022 20:34	WG1943418
tert-Butyl alcohol	U		0.00406	0.00500	1	10/15/2022 20:34	WG1943418
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/15/2022 20:34	WG1943418
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/15/2022 20:34	WG1943418
Tetrachloroethene	U		0.000300	0.00100	1	10/15/2022 20:34	WG1943418
Toluene	U		0.000278	0.00100	1	10/15/2022 20:34	WG1943418
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/15/2022 20:34	WG1943418
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/15/2022 20:34	WG1943418
Trichloroethene	U		0.000190	0.00100	1	10/15/2022 20:34	WG1943418
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/15/2022 20:34	WG1943418
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/15/2022 20:34	WG1943418
Vinyl chloride	U		0.000234	0.00100	1	10/15/2022 20:34	WG1943418
o-Xylene	U		0.000174	0.00100	1	10/15/2022 20:34	WG1943418
m&p-Xylene	U		0.000430	0.00200	1	10/15/2022 20:34	WG1943418
Xylenes, Total	U		0.000174	0.00300	1	10/15/2022 20:34	WG1943418
(S) Toluene-d8	*98.8*			*80.0-120*		*10/15/2022 20:34*	WG1943418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*10/15/2022 20:34*	WG1943418
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*10/15/2022 20:34*	WG1943418

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0733	J	0.0247	0.100	1	10/20/2022 07:51	WG1944851
(S) o-Terphenyl	*98.9*			*31.0-160*		*10/20/2022 07:51*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3390		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.492		0.0500	0.100	1	10/19/2022 15:00	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	306		3.79	10.0	10	10/15/2022 00:11	WG1942489
Fluoride	1.85		0.640	1.50	10	10/15/2022 00:11	WG1942489
Sulfate	1870		59.4	500	100	10/15/2022 00:27	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00533		0.000180	0.00200	1	10/31/2022 20:24	WG1947708
Barium	0.0106		0.000381	0.00200	1	10/31/2022 20:24	WG1947708
Calcium	433		0.0936	1.00	1	10/31/2022 20:24	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 20:24	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 20:24	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 20:24	WG1947708
Manganese	0.0465		0.000704	0.00500	1	10/31/2022 20:24	WG1947708
Potassium	0.363	J	0.108	2.00	1	10/31/2022 20:24	WG1947708
Selenium	0.00406		0.000300	0.00200	1	10/31/2022 20:24	WG1947708
Sodium	251		0.376	2.00	1	10/31/2022 20:24	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 11:02	WG1945412
(S) a,a,a-Trifluorotoluene(FID)	*83.7*			*78.0-120*		*10/20/2022 11:02*	WG1945412

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 16:47	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 16:47	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 16:47	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 16:47	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 16:47	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 16:47	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 16:47	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 16:47	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 16:47	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 16:47	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 16:47	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 16:47	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 16:47	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 16:47	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 16:47	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 16:47	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 16:47	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 16:47	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 16:47	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 16:47	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 16:47	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 16:47	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 16:47	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 16:47	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 16:47	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 16:47	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 16:47	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 16:47	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 16:47	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 16:47	WG1943620
Methyl tert-butyl ether	0.0205		0.000101	0.00100	1	10/16/2022 16:47	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 16:47	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 16:47	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 16:47	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 16:47	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 16:47	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 16:47	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 16:47	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 16:47	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 16:47	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 16:47	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 16:47	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 16:47	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 16:47	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 16:47	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 16:47	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 16:47	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 16:47	WG1943620
(S) Toluene-d8	*110*			*80.0-120*		*10/16/2022 16:47*	WG1943620
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*10/16/2022 16:47*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*10/16/2022 16:47*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.621		0.0247	0.100	1	10/20/2022 08:11	WG1944851
(S) o-Terphenyl	*96.3*			*31.0-160*		*10/20/2022 08:11*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2670		50.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 15:05	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	408		3.79	10.0	10	10/15/2022 00:59	WG1942489
Fluoride	2.25		0.0640	0.150	1	10/15/2022 00:43	WG1942489
Sulfate	1170		5.94	50.0	10	10/15/2022 00:59	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00529		0.000180	0.00200	1	10/31/2022 20:27	WG1947708
Barium	0.0181		0.000381	0.00200	1	10/31/2022 20:27	WG1947708
Calcium	467		0.0936	1.00	1	10/31/2022 20:27	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 20:27	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 20:27	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 20:27	WG1947708
Manganese	0.890		0.000704	0.00500	1	10/31/2022 20:27	WG1947708
Potassium	2.09		0.108	2.00	1	10/31/2022 20:27	WG1947708
Selenium	0.00182	J	0.000300	0.00200	1	10/31/2022 20:27	WG1947708
Sodium	158		0.376	2.00	1	10/31/2022 20:27	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0652	J	0.0314	0.100	1	10/19/2022 12:23	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*84.5*			*78.0-120*		*10/19/2022 12:23*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 17:09	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 17:09	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 17:09	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 17:09	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 17:09	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 17:09	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 17:09	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 17:09	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 17:09	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 17:09	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 17:09	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 17:09	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 17:09	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 17:09	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 17:09	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 17:09	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 17:09	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 17:09	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 17:09	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 17:09	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 17:09	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 17:09	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 17:09	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 17:09	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 17:09	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 17:09	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 17:09	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 17:09	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 17:09	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 17:09	WG1943620
Methyl tert-butyl ether	0.0674		0.000101	0.00100	1	10/16/2022 17:09	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 17:09	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 17:09	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 17:09	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 17:09	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 17:09	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 17:09	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 17:09	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 17:09	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 17:09	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 17:09	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 17:09	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 17:09	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 17:09	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 17:09	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 17:09	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 17:09	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 17:09	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 17:09*	WG1943620
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/16/2022 17:09*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.5*			*70.0-130*		*10/16/2022 17:09*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.85		0.0247	0.100	1	10/20/2022 08:31	WG1944851
(S) o-Terphenyl	*105*			*31.0-160*		*10/20/2022 08:31*	WG1944851

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7840		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 15:06	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	261		3.79	10.0	10	10/15/2022 01:15	WG1942489
Fluoride	1.42	J	0.640	1.50	10	10/15/2022 01:15	WG1942489
Sulfate	2100		59.4	500	100	10/15/2022 01:31	WG1942489

Sample Narrative:

L1546101-56 WG1942489: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00348		0.000180	0.00200	1	10/31/2022 20:30	WG1947708
Barium	0.00960		0.000381	0.00200	1	10/31/2022 20:30	WG1947708
Calcium	486		0.0936	1.00	1	10/31/2022 20:30	WG1947708
Chromium	U		0.00124	0.00200	1	10/31/2022 20:30	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 20:30	WG1947708
Lead	U		0.000849	0.00200	1	10/31/2022 20:30	WG1947708
Manganese	0.408		0.000704	0.00500	1	10/31/2022 20:30	WG1947708
Potassium	1.06	J	0.108	2.00	1	10/31/2022 20:30	WG1947708
Selenium	0.00102	J	0.000300	0.00200	1	10/31/2022 20:30	WG1947708
Sodium	206		0.376	2.00	1	10/31/2022 20:30	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 12:45	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*85.6*			*78.0-120*		*10/19/2022 12:45*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 17:30	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 17:30	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 17:30	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 17:30	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 17:30	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 17:30	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 17:30	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 17:30	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 17:30	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 17:30	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 17:30	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 17:30	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 17:30	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/16/2022 17:30	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 17:30	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 17:30	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 17:30	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 17:30	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 17:30	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 17:30	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 17:30	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 17:30	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 17:30	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 17:30	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 17:30	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 17:30	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 17:30	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 17:30	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 17:30	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 17:30	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 17:30	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 17:30	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 17:30	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 17:30	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 17:30	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 17:30	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 17:30	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 17:30	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 17:30	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 17:30	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 17:30	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 17:30	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 17:30	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 17:30	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 17:30	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 17:30	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 17:30	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 17:30	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 17:30*	WG1943620
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/16/2022 17:30*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*10/16/2022 17:30*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0624	J	0.0247	0.100	1	10/20/2022 02:54	WG1945263
(S) o-Terphenyl	*91.1*			*31.0-160*		*10/20/2022 02:54*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2090		50.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	17.7		1.00	2.00	20	10/19/2022 15:07	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	370		3.79	10.0	10	10/15/2022 02:34	WG1942489
Fluoride	0.616		0.0640	0.150	1	10/15/2022 02:18	WG1942489
Sulfate	370		5.94	50.0	10	10/15/2022 02:34	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000976	J	0.000180	0.00200	1	10/31/2022 20:41	WG1947708
Barium	0.285		0.000381	0.00200	1	10/31/2022 20:41	WG1947708
Calcium	225		0.0936	1.00	1	10/31/2022 20:41	WG1947708
Chromium	0.00158	J	0.00124	0.00200	1	10/31/2022 20:41	WG1947708
Iron	U		0.0281	0.100	1	10/31/2022 20:41	WG1947708
Lead	0.00222		0.000849	0.00200	1	10/31/2022 20:41	WG1947708
Manganese	0.252		0.000704	0.00500	1	10/31/2022 20:41	WG1947708
Potassium	0.231	J	0.108	2.00	1	10/31/2022 20:41	WG1947708
Selenium	U		0.000300	0.00200	1	10/31/2022 20:41	WG1947708
Sodium	318		0.376	2.00	1	10/31/2022 20:41	WG1947708

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	24.1		0.628	2.00	20	10/21/2022 21:58	WG1947024
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/21/2022 21:58*	WG1947024

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 17:52	WG1943620
Benzene	8.52		0.00471	0.0500	50	10/18/2022 04:13	WG1944296
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 17:52	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 17:52	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 17:52	WG1943620
n-Butylbenzene	0.0143		0.000157	0.00100	1	10/16/2022 17:52	WG1943620
sec-Butylbenzene	0.0228		0.000125	0.00100	1	10/16/2022 17:52	WG1943620
Carbon disulfide	0.000787	J	0.0000962	0.00100	1	10/16/2022 17:52	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 17:52	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 17:52	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 17:52	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 17:52	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 17:52	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 17:52	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 17:52	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 17:52	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 17:52	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 17:52	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 17:52	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 17:52	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 17:52	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 17:52	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 17:52	WG1943620
Ethylbenzene	2.63		0.00685	0.0500	50	10/18/2022 04:13	WG1944296
Isopropylbenzene	0.160		0.000105	0.00100	1	10/16/2022 17:52	WG1943620
p-Isopropyltoluene	0.0127		0.000120	0.00100	1	10/16/2022 17:52	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 17:52	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 17:52	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 17:52	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 17:52	WG1943620
Methyl tert-butyl ether	0.0365		0.000101	0.00100	1	10/16/2022 17:52	WG1943620
Naphthalene	0.301	B	0.0500	0.250	50	10/18/2022 04:13	WG1944296
n-Propylbenzene	0.245		0.00497	0.0500	50	10/18/2022 04:13	WG1944296
Styrene	U		0.000118	0.00100	1	10/16/2022 17:52	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 17:52	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 17:52	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 17:52	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 17:52	WG1943620
Toluene	0.0964		0.000278	0.00100	1	10/16/2022 17:52	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 17:52	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 17:52	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 17:52	WG1943620
1,2,4-Trimethylbenzene	0.706		0.0161	0.0500	50	10/18/2022 04:13	WG1944296
1,3,5-Trimethylbenzene	0.0140		0.000104	0.00100	1	10/16/2022 17:52	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 17:52	WG1943620
o-Xylene	0.0772		0.00870	0.0500	50	10/18/2022 04:13	WG1944296
m&p-Xylene	1.12		0.0215	0.100	50	10/18/2022 04:13	WG1944296
Xylenes, Total	1.20		0.00870	0.150	50	10/18/2022 04:13	WG1944296
(S) Toluene-d8	*106*			*80.0-120*		*10/16/2022 17:52*	WG1943620
(S) Toluene-d8	*99.2*			*80.0-120*		*10/18/2022 04:13*	WG1944296
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*10/16/2022 17:52*	WG1943620
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/18/2022 04:13*	WG1944296
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*10/16/2022 17:52*	WG1943620
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*10/18/2022 04:13*	WG1944296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.86		0.0247	0.100	1	10/20/2022 05:53	WG1945263
(S) o-Terphenyl	*101*			*31.0-160*		*10/20/2022 05:53*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	36.0		10.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 15:09	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/15/2022 02:50	WG1942489
Fluoride	U		0.0640	0.150	1	10/15/2022 02:50	WG1942489
Sulfate	U		0.594	5.00	1	10/15/2022 02:50	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/29/2022 22:23	WG1947709
Barium	0.00112	J	0.000381	0.00200	1	10/29/2022 22:23	WG1947709
Calcium	0.358	J	0.0936	1.00	1	10/29/2022 22:23	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 22:23	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 22:23	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 22:23	WG1947709
Manganese	U		0.000704	0.00500	1	10/29/2022 22:23	WG1947709
Potassium	U		0.108	2.00	1	10/29/2022 22:23	WG1947709
Selenium	U		0.000300	0.00200	1	10/29/2022 22:23	WG1947709
Sodium	0.665	J	0.376	2.00	1	10/29/2022 22:23	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 13:07	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*87.3*			*78.0-120*		*10/19/2022 13:07*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 18:13	WG1943620
Benzene	U		0.0000941	0.00100	1	10/18/2022 02:17	WG1944296
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 18:13	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 18:13	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 18:13	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 18:13	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 18:13	WG1943620
Carbon disulfide	0.000249	J	0.0000962	0.00100	1	10/16/2022 18:13	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 18:13	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 18:13	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 18:13	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 18:13	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 18:13	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 18:13	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 18:13	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 18:13	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 18:13	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 18:13	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 18:13	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 18:13	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 18:13	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 18:13	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 18:13	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/18/2022 02:17	WG1944296
Isopropylbenzene	U		0.000105	0.00100	1	10/18/2022 02:17	WG1944296
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 18:13	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 18:13	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 18:13	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 18:13	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 18:13	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 18:13	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/18/2022 02:17	WG1944296
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2022 02:17	WG1944296
Styrene	U		0.000118	0.00100	1	10/16/2022 18:13	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 18:13	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 18:13	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 18:13	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 18:13	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 18:13	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 18:13	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 18:13	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 18:13	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2022 02:17	WG1944296
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 18:13	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 18:13	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/18/2022 02:17	WG1944296
m&p-Xylene	U		0.000430	0.00200	1	10/18/2022 02:17	WG1944296
Xylenes, Total	U		0.000174	0.00300	1	10/18/2022 02:17	WG1944296
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 18:13*	WG1943620
(S) Toluene-d8	*102*			*80.0-120*		*10/18/2022 02:17*	WG1944296
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/16/2022 18:13*	WG1943620
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/18/2022 02:17*	WG1944296
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*10/16/2022 18:13*	WG1943620
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*10/18/2022 02:17*	WG1944296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 06:16	WG1945263
(S) o-Terphenyl	*85.8*			*31.0-160*		*10/20/2022 06:16*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4380		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.585		0.0500	0.100	1	10/19/2022 15:10	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	302		3.79	10.0	10	10/15/2022 03:38	WG1942489
Fluoride	1.39	J	0.640	1.50	10	10/15/2022 03:38	WG1942489
Sulfate	2410		59.4	500	100	10/15/2022 03:54	WG1942489

Sample Narrative:

L1546101-59 WG1942489: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00898		0.000180	0.00200	1	10/29/2022 22:37	WG1947709
Barium	0.0103		0.000381	0.00200	1	10/29/2022 22:37	WG1947709
Calcium	500		0.0936	1.00	1	10/29/2022 22:37	WG1947709
Chromium	0.00191	J	0.00124	0.00200	1	10/29/2022 22:37	WG1947709
Iron	0.500		0.0281	0.100	1	10/29/2022 22:37	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 22:37	WG1947709
Manganese	0.0927		0.000704	0.00500	1	10/29/2022 22:37	WG1947709
Potassium	1.46	J	0.108	2.00	1	10/29/2022 22:37	WG1947709
Selenium	0.00464		0.000300	0.00200	1	10/29/2022 22:37	WG1947709
Sodium	247		0.376	2.00	1	10/29/2022 22:37	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 13:28	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*85.2*			*78.0-120*		*10/19/2022 13:28*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 18:35	WG1943620
Benzene	0.00117		0.0000941	0.00100	1	10/18/2022 02:37	WG1944296
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 18:35	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 18:35	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 18:35	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 18:35	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 18:35	WG1943620
Carbon disulfide	0.000146	J	0.0000962	0.00100	1	10/16/2022 18:35	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 18:35	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 18:35	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 18:35	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 18:35	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 18:35	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/16/2022 18:35	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 18:35	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 18:35	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 18:35	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 18:35	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 18:35	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 18:35	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 18:35	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 18:35	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 18:35	WG1943620
Ethylbenzene	0.000280	J	0.000137	0.00100	1	10/18/2022 02:37	WG1944296
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 18:35	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 18:35	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 18:35	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 18:35	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 18:35	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 18:35	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 18:35	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/18/2022 02:37	WG1944296
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 18:35	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 18:35	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 18:35	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 18:35	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 18:35	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 18:35	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 18:35	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 18:35	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 18:35	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 18:35	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2022 02:37	WG1944296
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 18:35	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 18:35	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/18/2022 02:37	WG1944296
m&p-Xylene	U		0.000430	0.00200	1	10/18/2022 02:37	WG1944296
Xylenes, Total	U		0.000174	0.00300	1	10/18/2022 02:37	WG1944296
(S) Toluene-d8	*107*			*80.0-120*		*10/16/2022 18:35*	WG1943620
(S) Toluene-d8	*99.6*			*80.0-120*		*10/18/2022 02:37*	WG1944296
(S) 4-Bromofluorobenzene	*116*			*77.0-126*		*10/16/2022 18:35*	WG1943620
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/18/2022 02:37*	WG1944296
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*10/16/2022 18:35*	WG1943620
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*10/18/2022 02:37*	WG1944296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.117		0.0247	0.100	1	10/20/2022 06:39	WG1945263
(S) o-Terphenyl	*88.9*			*31.0-160*		*10/20/2022 06:39*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 15:11	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.586	J	0.379	1.00	1	10/15/2022 04:10	WG1942489
Fluoride	U		0.0640	0.150	1	10/15/2022 04:10	WG1942489
Sulfate	0.939	J	0.594	5.00	1	10/15/2022 04:10	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/29/2022 22:40	WG1947709
Barium	U		0.000381	0.00200	1	10/29/2022 22:40	WG1947709
Calcium	U		0.0936	1.00	1	10/29/2022 22:40	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 22:40	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 22:40	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 22:40	WG1947709
Manganese	U		0.000704	0.00500	1	10/29/2022 22:40	WG1947709
Potassium	U		0.108	2.00	1	10/29/2022 22:40	WG1947709
Selenium	U		0.000300	0.00200	1	10/29/2022 22:40	WG1947709
Sodium	U		0.376	2.00	1	10/29/2022 22:40	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 13:50	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*90.1*			*78.0-120*		*10/19/2022 13:50*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 18:56	WG1943620
Benzene	U		0.0000941	0.00100	1	10/18/2022 02:56	WG1944296
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 18:56	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 18:56	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 18:56	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 18:56	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 18:56	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 18:56	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 18:56	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 18:56	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 18:56	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 18:56	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 18:56	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 18:56	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 18:56	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 18:56	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 18:56	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 18:56	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 18:56	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 18:56	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 18:56	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 18:56	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 18:56	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/18/2022 02:56	WG1944296
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 18:56	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 18:56	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 18:56	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 18:56	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 18:56	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 18:56	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 18:56	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 18:56	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 18:56	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 18:56	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 18:56	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 18:56	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 18:56	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 18:56	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 18:56	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 18:56	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 18:56	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 18:56	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 18:56	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 18:56	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 18:56	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 18:56	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 18:56	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 18:56	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 18:56*	WG1943620
(S) Toluene-d8	*98.0*			*80.0-120*		*10/18/2022 02:56*	WG1944296
(S) 4-Bromofluorobenzene	*117*			*77.0-126*		*10/16/2022 18:56*	WG1943620
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/18/2022 02:56*	WG1944296
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*10/16/2022 18:56*	WG1943620
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*10/18/2022 02:56*	WG1944296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 07:02	WG1945263
(S) o-Terphenyl	*86.3*			*31.0-160*		*10/20/2022 07:02*	WG1945263

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 14:38	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 14:38	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 14:38	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 14:38	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 14:38	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 14:38	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 14:38	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 14:38	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 14:38	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 14:38	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 14:38	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 14:38	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 14:38	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 14:38	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 14:38	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 14:38	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 14:38	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 14:38	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 14:38	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 14:38	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 14:38	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 14:38	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 14:38	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 14:38	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 14:38	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 14:38	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 14:38	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 14:38	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 14:38	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 14:38	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 14:38	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 14:38	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 14:38	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 14:38	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 14:38	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 14:38	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 14:38	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 14:38	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 14:38	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 14:38	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 14:38	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 14:38	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 14:38	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 14:38	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 14:38	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 14:38	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 14:38	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 14:38	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 14:38*	WG1943620
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/16/2022 14:38*	WG1943620
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/16/2022 14:38*	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/16/2022 14:59	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 14:59	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 14:59	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 14:59	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 14:59	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 14:59	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 14:59	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 14:59	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 14:59	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 14:59	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 14:59	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 14:59	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 14:59	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 14:59	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 14:59	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 14:59	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 14:59	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 14:59	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 14:59	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 14:59	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 14:59	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 14:59	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 14:59	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 14:59	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 14:59	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 14:59	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 14:59	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 14:59	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 14:59	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 14:59	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 14:59	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 14:59	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 14:59	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 14:59	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 14:59	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 14:59	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 14:59	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 14:59	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 14:59	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 14:59	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 14:59	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 14:59	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 14:59	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 14:59	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 14:59	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 14:59	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 14:59	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 14:59	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 14:59*	WG1943620
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/16/2022 14:59*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*10/16/2022 14:59*	WG1943620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2960		50.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.527		0.0500	0.100	1	10/19/2022 15:13	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	248		3.79	10.0	10	10/15/2022 04:26	WG1942489
Fluoride	2.89		0.640	1.50	10	10/15/2022 04:26	WG1942489
Sulfate	1730		5.94	50.0	10	10/15/2022 04:26	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00265		0.000180	0.00200	1	10/29/2022 22:43	WG1947709
Barium	0.00999		0.000381	0.00200	1	10/29/2022 22:43	WG1947709
Calcium	507		0.0936	1.00	1	10/29/2022 22:43	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 22:43	WG1947709
Iron	0.0455	J	0.0281	0.100	1	10/29/2022 22:43	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 22:43	WG1947709
Manganese	0.00419	J	0.000704	0.00500	1	10/29/2022 22:43	WG1947709
Potassium	4.52		0.108	2.00	1	10/29/2022 22:43	WG1947709
Selenium	0.00371		0.000300	0.00200	1	10/29/2022 22:43	WG1947709
Sodium	163		0.376	2.00	1	10/29/2022 22:43	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 14:12	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*89.5*			*78.0-120*		*10/19/2022 14:12*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 19:18	WG1943620
Benzene	U		0.0000941	0.00100	1	10/18/2022 03:15	WG1944296
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 19:18	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 19:18	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 19:18	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 19:18	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 19:18	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 19:18	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 19:18	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 19:18	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 19:18	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 19:18	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 19:18	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 19:18	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 19:18	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 19:18	WG1943620

MW-117
Collected date/time: 10/11/22 15:10
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 19:18	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 19:18	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 19:18	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 19:18	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 19:18	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 19:18	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 19:18	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 19:18	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 19:18	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 19:18	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 19:18	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 19:18	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 19:18	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 19:18	WG1943620
Methyl tert-butyl ether	0.0166		0.000101	0.00100	1	10/16/2022 19:18	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 19:18	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 19:18	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 19:18	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 19:18	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 19:18	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 19:18	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 19:18	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 19:18	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 19:18	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 19:18	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 19:18	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 19:18	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 19:18	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 19:18	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 19:18	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 19:18	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 19:18	WG1943620
(S) Toluene-d8	*97.8*			*80.0-120*		*10/16/2022 19:18*	WG1943620
(S) Toluene-d8	*102*			*80.0-120*		*10/18/2022 03:15*	WG1944296
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*10/16/2022 19:18*	WG1943620
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/18/2022 03:15*	WG1944296
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*10/16/2022 19:18*	WG1943620
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*10/18/2022 03:15*	WG1944296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.248		0.0247	0.100	1	10/20/2022 07:25	WG1945263
(S) o-Terphenyl	*92.6*			*31.0-160*		*10/20/2022 07:25*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4440		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.94		0.0500	0.100	1	10/19/2022 15:16	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	245		3.79	10.0	10	10/15/2022 05:29	WG1942489
Fluoride	4.36		0.640	1.50	10	10/15/2022 05:29	WG1942489
Sulfate	2630		59.4	500	100	10/15/2022 05:45	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00621		0.000180	0.00200	1	10/29/2022 22:46	WG1947709
Barium	0.0104		0.000381	0.00200	1	10/29/2022 22:46	WG1947709
Calcium	588		0.0936	1.00	1	10/29/2022 22:46	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 22:46	WG1947709
Iron	0.0611	J	0.0281	0.100	1	10/29/2022 22:46	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 22:46	WG1947709
Manganese	0.00142	J	0.000704	0.00500	1	10/29/2022 22:46	WG1947709
Potassium	2.04		0.108	2.00	1	10/29/2022 22:46	WG1947709
Selenium	0.0162		0.000300	0.00200	1	10/29/2022 22:46	WG1947709
Sodium	202		0.376	2.00	1	10/29/2022 22:46	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/19/2022 14:33	WG1945434
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*78.0-120*		*10/19/2022 14:33*	WG1945434

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 19:40	WG1943620
Benzene	U		0.0000941	0.00100	1	10/18/2022 03:34	WG1944296
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 19:40	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 19:40	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 19:40	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 19:40	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 19:40	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 19:40	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 19:40	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 19:40	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 19:40	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 19:40	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 19:40	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 19:40	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 19:40	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 19:40	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 19:40	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 19:40	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 19:40	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 19:40	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 19:40	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 19:40	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 19:40	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 19:40	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 19:40	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 19:40	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 19:40	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 19:40	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 19:40	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 19:40	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 19:40	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 19:40	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 19:40	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 19:40	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 19:40	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 19:40	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 19:40	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 19:40	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 19:40	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 19:40	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 19:40	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 19:40	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 19:40	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 19:40	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 19:40	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 19:40	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 19:40	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 19:40	WG1943620
(S) Toluene-d8	*108*			*80.0-120*		*10/16/2022 19:40*	WG1943620
(S) Toluene-d8	*101*			*80.0-120*		*10/18/2022 03:34*	WG1944296
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*10/16/2022 19:40*	WG1943620
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/18/2022 03:34*	WG1944296
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/16/2022 19:40*	WG1943620
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/18/2022 03:34*	WG1944296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 07:48	WG1945263
(S) o-Terphenyl	*84.2*			*31.0-160*		*10/20/2022 07:48*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3930		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	0.107		0.0500	0.100	1	10/19/2022 15:22	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	263		3.79	10.0	10	10/15/2022 06:01	WG1942489
Fluoride	1.69		0.640	1.50	10	10/15/2022 06:01	WG1942489
Sulfate	2140		59.4	500	100	10/15/2022 06:17	WG1942489

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00414		0.000180	0.00200	1	10/29/2022 22:56	WG1947709
Barium	0.00941		0.000381	0.00200	1	10/29/2022 22:56	WG1947709
Calcium	582		0.0936	1.00	1	10/29/2022 22:56	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 22:56	WG1947709
Iron	0.0524	J	0.0281	0.100	1	10/29/2022 22:56	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 22:56	WG1947709
Manganese	0.00497	J	0.000704	0.00500	1	10/29/2022 22:56	WG1947709
Potassium	0.724	J	0.108	2.00	1	10/29/2022 22:56	WG1947709
Selenium	0.00554		0.000300	0.00200	1	10/29/2022 22:56	WG1947709
Sodium	183		0.376	2.00	1	10/30/2022 17:56	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 14:25	WG1946076
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/20/2022 14:25*	WG1946076

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/16/2022 20:01	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 20:01	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 20:01	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 20:01	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 20:01	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 20:01	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 20:01	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 20:01	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 20:01	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 20:01	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 20:01	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 20:01	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 20:01	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 20:01	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 20:01	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 20:01	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 20:01	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 20:01	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 20:01	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 20:01	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 20:01	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 20:01	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 20:01	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 20:01	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 20:01	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 20:01	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 20:01	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 20:01	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 20:01	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 20:01	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 20:01	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 20:01	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 20:01	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 20:01	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 20:01	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 20:01	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 20:01	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 20:01	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 20:01	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 20:01	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 20:01	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 20:01	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 20:01	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 20:01	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 20:01	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 20:01	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 20:01	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 20:01	WG1943620
(S) Toluene-d8	*105*			*80.0-120*		*10/16/2022 20:01*	WG1943620
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/16/2022 20:01*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*10/16/2022 20:01*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0534	J	0.0247	0.100	1	10/20/2022 08:10	WG1945263
(S) o-Terphenyl	*83.2*			*31.0-160*		*10/20/2022 08:10*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2630		50.0	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	10.8		0.500	1.00	10	10/19/2022 15:23	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:15	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	319		1.90	5.00	5	10/15/2022 19:41	WG1942494
Fluoride	1.36		0.320	0.750	5	10/15/2022 19:41	WG1942494
Sulfate	1650		11.9	100	20	10/15/2022 19:56	WG1942494

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:22	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.505		0.0200	0.200	1	10/24/2022 22:53	WG1947650

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00262		0.000180	0.00200	1	10/29/2022 23:00	WG1947709
Barium	0.0111		0.000381	0.00200	1	10/29/2022 23:00	WG1947709
Cadmium	U		0.000150	0.00100	1	10/29/2022 23:00	WG1947709
Calcium	549		0.0936	1.00	1	10/29/2022 23:00	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:00	WG1947709
Cobalt	0.000968	J	0.0000596	0.00200	1	10/29/2022 23:00	WG1947709
Iron	0.0480	J	0.0281	0.100	1	10/29/2022 23:00	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:00	WG1947709
Manganese	0.0184		0.000704	0.00500	1	10/29/2022 23:00	WG1947709
Nickel	0.00280		0.000816	0.00200	1	10/29/2022 23:00	WG1947709
Potassium	2.12		0.108	2.00	1	10/29/2022 23:00	WG1947709
Selenium	0.00649		0.000300	0.00200	1	10/29/2022 23:00	WG1947709
Sodium	102		0.376	2.00	1	10/30/2022 17:59	WG1947709
Uranium	0.0368		0.0000789	0.00100	1	10/29/2022 23:00	WG1947709
Vanadium	0.0155		0.000664	0.00500	1	10/29/2022 23:00	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0314	J	0.0314	0.100	1	10/20/2022 14:47	WG1946076

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*10/20/2022 14:47*	WG1946076

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 20:23	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 20:23	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 20:23	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 20:23	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 20:23	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 20:23	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 20:23	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 20:23	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 20:23	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 20:23	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 20:23	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 20:23	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 20:23	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 20:23	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 20:23	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 20:23	WG1943620
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 20:23	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 20:23	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 20:23	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 20:23	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 20:23	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 20:23	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 20:23	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 20:23	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 20:23	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 20:23	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 20:23	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 20:23	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 20:23	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 20:23	WG1943620
Methyl tert-butyl ether	0.000291	J	0.000101	0.00100	1	10/16/2022 20:23	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 20:23	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 20:23	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 20:23	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 20:23	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 20:23	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 20:23	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 20:23	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 20:23	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 20:23	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 20:23	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 20:23	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 20:23	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 20:23	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 20:23	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 20:23	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 20:23	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 20:23	WG1943620
(S) Toluene-d8	*109*			*80.0-120*		*10/16/2022 20:23*	WG1943620
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/16/2022 20:23*	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*10/16/2022 20:23*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.124		0.0247	0.100	1	10/20/2022 08:33	WG1945263
(S) o-Terphenyl	*88.9*			*31.0-160*		*10/20/2022 08:33*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3970		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.371		0.0500	0.100	1	10/19/2022 15:24	WG1942631

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	260		3.79	10.0	10	10/15/2022 20:12	WG1942494
Fluoride	1.24	J	0.640	1.50	10	10/15/2022 20:12	WG1942494
Sulfate	1950		59.4	500	100	10/15/2022 20:28	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00404		0.000180	0.00200	1	10/29/2022 23:03	WG1947709
Barium	0.00883		0.000381	0.00200	1	10/29/2022 23:03	WG1947709
Calcium	532		0.0936	1.00	1	10/29/2022 23:03	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:03	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 23:03	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:03	WG1947709
Manganese	0.0527		0.000704	0.00500	1	10/29/2022 23:03	WG1947709
Potassium	2.17		0.108	2.00	1	10/29/2022 23:03	WG1947709
Selenium	0.00307		0.000300	0.00200	1	10/29/2022 23:03	WG1947709
Sodium	207		0.376	2.00	1	10/30/2022 18:03	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0325	B J	0.0314	0.100	1	10/20/2022 15:09	WG1946076
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/20/2022 15:09*	WG1946076

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 20:44	WG1943620
Benzene	U		0.0000941	0.00100	1	10/16/2022 20:44	WG1943620
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 20:44	WG1943620
Bromoform	U		0.000129	0.00100	1	10/16/2022 20:44	WG1943620
Bromomethane	U		0.000605	0.00500	1	10/16/2022 20:44	WG1943620
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 20:44	WG1943620
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 20:44	WG1943620
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 20:44	WG1943620
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 20:44	WG1943620
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 20:44	WG1943620
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 20:44	WG1943620
Chloroethane	U		0.000192	0.00500	1	10/16/2022 20:44	WG1943620
Chloroform	U		0.000111	0.00500	1	10/16/2022 20:44	WG1943620
Chloromethane	U		0.000960	0.00250	1	10/16/2022 20:44	WG1943620
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 20:44	WG1943620
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 20:44	WG1943620

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 20:44	WG1943620
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 20:44	WG1943620
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 20:44	WG1943620
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 20:44	WG1943620
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 20:44	WG1943620
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 20:44	WG1943620
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 20:44	WG1943620
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 20:44	WG1943620
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 20:44	WG1943620
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 20:44	WG1943620
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 20:44	WG1943620
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 20:44	WG1943620
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 20:44	WG1943620
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 20:44	WG1943620
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 20:44	WG1943620
Naphthalene	U		0.00100	0.00500	1	10/16/2022 20:44	WG1943620
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 20:44	WG1943620
Styrene	U		0.000118	0.00100	1	10/16/2022 20:44	WG1943620
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 20:44	WG1943620
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 20:44	WG1943620
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 20:44	WG1943620
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 20:44	WG1943620
Toluene	U		0.000278	0.00100	1	10/16/2022 20:44	WG1943620
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 20:44	WG1943620
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 20:44	WG1943620
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 20:44	WG1943620
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 20:44	WG1943620
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 20:44	WG1943620
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 20:44	WG1943620
o-Xylene	U		0.000174	0.00100	1	10/16/2022 20:44	WG1943620
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 20:44	WG1943620
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 20:44	WG1943620
(S) Toluene-d8	*96.4*			*80.0-120*		*10/16/2022 20:44*	WG1943620
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/16/2022 20:44*	WG1943620
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*10/16/2022 20:44*	WG1943620

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.338		0.0247	0.100	1	10/20/2022 08:56	WG1945263
(S) o-Terphenyl	*97.4*			*31.0-160*		*10/20/2022 08:56*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3360		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 15:25	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:16	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	250		3.79	10.0	10	10/15/2022 20:44	WG1942494
Fluoride	1.59		0.640	1.50	10	10/15/2022 20:44	WG1942494
Sulfate	2170		59.4	500	100	10/15/2022 21:00	WG1942494

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:24	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.700		0.0200	0.200	1	10/24/2022 22:56	WG1947650

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00361		0.000180	0.00200	1	10/29/2022 23:06	WG1947709
Barium	0.00822		0.000381	0.00200	1	10/29/2022 23:06	WG1947709
Cadmium	U		0.000150	0.00100	1	10/29/2022 23:06	WG1947709
Calcium	474		0.0936	1.00	1	10/29/2022 23:06	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:06	WG1947709
Cobalt	0.00658		0.0000596	0.00200	1	10/29/2022 23:06	WG1947709
Iron	0.0287	J	0.0281	0.100	1	10/29/2022 23:06	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:06	WG1947709
Manganese	0.430		0.000704	0.00500	1	10/29/2022 23:06	WG1947709
Nickel	0.00788		0.000816	0.00200	1	10/29/2022 23:06	WG1947709
Potassium	0.881	J	0.108	2.00	1	10/29/2022 23:06	WG1947709
Selenium	U		0.000300	0.00200	1	10/29/2022 23:06	WG1947709
Sodium	234		0.376	2.00	1	10/30/2022 18:06	WG1947709
Uranium	0.0106		0.0000789	0.00100	1	10/29/2022 23:06	WG1947709
Vanadium	0.0203		0.000664	0.00500	1	10/29/2022 23:06	WG1947709

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 17:23	WG1943622
Benzene	0.000348	J	0.0000941	0.00100	1	10/16/2022 17:23	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 17:23	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 17:23	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 17:23	WG1943622
n-Butylbenzene	0.000659	J	0.000157	0.00100	1	10/16/2022 17:23	WG1943622
sec-Butylbenzene	0.00124		0.000125	0.00100	1	10/16/2022 17:23	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 17:23	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 17:23	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 17:23	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 17:23	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 17:23	WG1943622
Chloroform	0.00225	J	0.000111	0.00500	1	10/16/2022 17:23	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 17:23	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 17:23	WG1943622
1,1-Dichloroethane	0.000275	J	0.000100	0.00100	1	10/16/2022 17:23	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 17:23	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 17:23	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 17:23	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 17:23	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 17:23	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 17:23	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 17:23	WG1943622
Ethylbenzene	0.00519		0.000137	0.00100	1	10/16/2022 17:23	WG1943622
Isopropylbenzene	0.00428		0.000105	0.00100	1	10/16/2022 17:23	WG1943622
p-Isopropyltoluene	0.000827	J	0.000120	0.00100	1	10/16/2022 17:23	WG1943622
2-Butanone (MEK)	0.00289	J	0.00119	0.0100	1	10/16/2022 17:23	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 17:23	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 17:23	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 17:23	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 17:23	WG1943622
Naphthalene	0.00274	J	0.00100	0.00500	1	10/16/2022 17:23	WG1943622
n-Propylbenzene	0.00575		0.0000993	0.00100	1	10/16/2022 17:23	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 17:23	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 17:23	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 17:23	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 17:23	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 17:23	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 17:23	WG1943622
1,1,1-Trichloroethane	0.000158	J	0.000149	0.00100	1	10/16/2022 17:23	WG1943622
1,1,2-Trichloroethane	0.000438	J	0.000158	0.00100	1	10/16/2022 17:23	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 17:23	WG1943622
1,2,4-Trimethylbenzene	0.0286		0.000322	0.00100	1	10/16/2022 17:23	WG1943622
1,3,5-Trimethylbenzene	0.00404		0.000104	0.00100	1	10/16/2022 17:23	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 17:23	WG1943622
o-Xylene	0.000412	J	0.000174	0.00100	1	10/16/2022 17:23	WG1943622
m&p-Xylene	0.0334		0.000430	0.00200	1	10/16/2022 17:23	WG1943622
Xylenes, Total	0.0338		0.000174	0.00300	1	10/16/2022 17:23	WG1943622
(S) Toluene-d8	*96.4*			*80.0-120*		*10/16/2022 17:23*	WG1943622
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*		*10/16/2022 17:23*	WG1943622
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*10/16/2022 17:23*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.182		0.0247	0.100	1	10/20/2022 21:57	WG1945264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*107*			*31.0-160*		*10/20/2022 21:57*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1790		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	8.00		0.500	1.00	10	10/19/2022 15:27	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:17	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	158		3.79	10.0	10	10/15/2022 21:16	WG1942494
Fluoride	0.993	J	0.640	1.50	10	10/15/2022 21:16	WG1942494
Sulfate	1960		59.4	500	100	10/15/2022 22:12	WG1942494

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:26	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.556		0.0200	0.200	1	10/24/2022 17:52	WG1947652

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00180	J	0.000180	0.00200	1	10/29/2022 23:09	WG1947709
Barium	0.0174		0.000381	0.00200	1	10/29/2022 23:09	WG1947709
Cadmium	U		0.000150	0.00100	1	10/29/2022 23:09	WG1947709
Calcium	547		0.0936	1.00	1	10/29/2022 23:09	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:09	WG1947709
Cobalt	0.0000698	J	0.0000596	0.00200	1	10/29/2022 23:09	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 23:09	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:09	WG1947709
Manganese	0.000810	J	0.000704	0.00500	1	10/29/2022 23:09	WG1947709
Nickel	0.000856	J	0.000816	0.00200	1	10/29/2022 23:09	WG1947709
Potassium	0.950	J	0.108	2.00	1	10/29/2022 23:09	WG1947709
Selenium	0.00368		0.000300	0.00200	1	10/29/2022 23:09	WG1947709
Sodium	177		0.376	2.00	1	10/30/2022 18:09	WG1947709
Uranium	0.0259		0.0000789	0.00100	1	10/29/2022 23:09	WG1947709
Vanadium	0.0156		0.000664	0.00500	1	10/29/2022 23:09	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 12:33	WG1946136

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/20/2022 12:33*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 17:44	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 17:44	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 17:44	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 17:44	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 17:44	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 17:44	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 17:44	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 17:44	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 17:44	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 17:44	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 17:44	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 17:44	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 17:44	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 17:44	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 17:44	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 17:44	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 17:44	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 17:44	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 17:44	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 17:44	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 17:44	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 17:44	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 17:44	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 17:44	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 17:44	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 17:44	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 17:44	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 17:44	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 17:44	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 17:44	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 17:44	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 17:44	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 17:44	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 17:44	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 17:44	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 17:44	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 17:44	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 17:44	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 17:44	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 17:44	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 17:44	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 17:44	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 17:44	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 17:44	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 17:44	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 17:44	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 17:44	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 17:44	WG1943622
(S) Toluene-d8	*99.5*			*80.0-120*		*10/16/2022 17:44*	WG1943622
(S) 4-Bromofluorobenzene	*89.3*			*77.0-126*		*10/16/2022 17:44*	WG1943622

KWD-12A
Collected date/time: 10/11/22 13:30
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*10/16/2022 17:44*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0451	J	0.0247	0.100	1	10/20/2022 22:18	WG1945264
(S) o-Terphenyl	*104*			*31.0-160*		*10/20/2022 22:18*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2420		100	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	11.2		0.500	1.00	10	10/19/2022 15:28	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:18	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	174		3.79	10.0	10	10/15/2022 22:28	WG1942494
Fluoride	0.969	J	0.640	1.50	10	10/15/2022 22:28	WG1942494
Sulfate	2030		59.4	500	100	10/15/2022 22:44	WG1942494

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	0.000107	J	0.000100	0.000200	1	10/26/2022 13:28	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.637		0.0200	0.200	1	10/24/2022 17:55	WG1947652

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00210		0.000180	0.00200	1	10/29/2022 23:13	WG1947709
Barium	0.0150		0.000381	0.00200	1	10/29/2022 23:13	WG1947709
Cadmium	U		0.000150	0.00100	1	10/29/2022 23:13	WG1947709
Calcium	539		0.0936	1.00	1	10/29/2022 23:13	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:13	WG1947709
Cobalt	0.0000735	J	0.0000596	0.00200	1	10/29/2022 23:13	WG1947709
Iron	0.0329	J	0.0281	0.100	1	10/29/2022 23:13	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:13	WG1947709
Manganese	0.00162	J	0.000704	0.00500	1	10/29/2022 23:13	WG1947709
Nickel	U		0.000816	0.00200	1	10/29/2022 23:13	WG1947709
Potassium	0.581	J	0.108	2.00	1	10/29/2022 23:13	WG1947709
Selenium	0.00469		0.000300	0.00200	1	10/29/2022 23:13	WG1947709
Sodium	165		0.376	2.00	1	10/30/2022 18:12	WG1947709
Uranium	0.0309		0.0000789	0.00100	1	10/29/2022 23:13	WG1947709
Vanadium	0.0159		0.000664	0.00500	1	10/29/2022 23:13	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 12:55	WG1946136

Received by OCD: 6/14/2023 2:10:34 PM

KWD-12B
Collected date/time: 10/11/22 14:15
L1546101

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*10/20/2022 12:55*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 18:05	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 18:05	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 18:05	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 18:05	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 18:05	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 18:05	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 18:05	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 18:05	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 18:05	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 18:05	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 18:05	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 18:05	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 18:05	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 18:05	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 18:05	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 18:05	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 18:05	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 18:05	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 18:05	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 18:05	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 18:05	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 18:05	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 18:05	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 18:05	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 18:05	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 18:05	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 18:05	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 18:05	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 18:05	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 18:05	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 18:05	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 18:05	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 18:05	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 18:05	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 18:05	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 18:05	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 18:05	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 18:05	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 18:05	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 18:05	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 18:05	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 18:05	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 18:05	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 18:05	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 18:05	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 18:05	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 18:05	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 18:05	WG1943622
(S) Toluene-d8	*98.1*			*80.0-120*		*10/16/2022 18:05*	WG1943622
(S) 4-Bromofluorobenzene	*87.8*			*77.0-126*		*10/16/2022 18:05*	WG1943622

Released to Imaging: 10/3/2023 9:42:06 AM

KWD-12B
Collected date/time: 10/11/22 14:15
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 1,2-Dichloroethane-d4	*88.8*			*70.0-130*		*10/16/2022 18:05*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 22:38	WG1945264
(S) o-Terphenyl	*103*			*31.0-160*		*10/20/2022 22:38*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3590		100	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	11.3		0.500	1.00	10	10/19/2022 15:29	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:19	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	174		3.79	10.0	10	10/15/2022 22:59	WG1942494
Fluoride	0.883	J	0.640	1.50	10	10/15/2022 22:59	WG1942494
Sulfate	2050		59.4	500	100	10/15/2022 23:15	WG1942494

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:30	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.641		0.0200	0.200	1	10/24/2022 18:04	WG1947652

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00213		0.000180	0.00200	1	10/29/2022 23:16	WG1947709
Barium	0.0147		0.000381	0.00200	1	10/29/2022 23:16	WG1947709
Cadmium	U		0.000150	0.00100	1	10/29/2022 23:16	WG1947709
Calcium	561		0.0936	1.00	1	10/29/2022 23:16	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:16	WG1947709
Cobalt	0.0000788	J	0.0000596	0.00200	1	10/29/2022 23:16	WG1947709
Iron	0.0308	J	0.0281	0.100	1	10/29/2022 23:16	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:16	WG1947709
Manganese	0.00109	J	0.000704	0.00500	1	10/29/2022 23:16	WG1947709
Nickel	U		0.000816	0.00200	1	10/29/2022 23:16	WG1947709
Potassium	0.587	J	0.108	2.00	1	10/29/2022 23:16	WG1947709
Selenium	0.00498		0.000300	0.00200	1	10/29/2022 23:16	WG1947709
Sodium	166		0.376	2.00	1	10/30/2022 18:15	WG1947709
Uranium	0.0309		0.0000789	0.00100	1	10/29/2022 23:16	WG1947709
Vanadium	0.0161		0.000664	0.00500	1	10/29/2022 23:16	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 13:17	WG1946136

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/20/2022 13:17*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 18:26	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 18:26	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 18:26	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 18:26	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 18:26	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 18:26	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 18:26	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 18:26	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 18:26	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 18:26	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 18:26	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 18:26	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 18:26	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 18:26	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 18:26	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 18:26	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 18:26	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 18:26	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 18:26	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 18:26	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 18:26	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 18:26	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 18:26	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 18:26	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 18:26	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 18:26	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 18:26	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 18:26	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 18:26	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 18:26	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 18:26	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 18:26	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 18:26	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 18:26	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 18:26	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 18:26	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 18:26	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 18:26	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 18:26	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 18:26	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 18:26	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 18:26	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 18:26	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 18:26	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 18:26	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 18:26	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 18:26	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 18:26	WG1943622
(S) Toluene-d8	*98.6*			*80.0-120*		*10/16/2022 18:26*	WG1943622
(S) 4-Bromofluorobenzene	*87.9*			*77.0-126*		*10/16/2022 18:26*	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*10/16/2022 18:26*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 22:58	WG1945264
(S) o-Terphenyl	*102*			*31.0-160*		*10/20/2022 22:58*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 13:47	WG1944578

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 15:30	WG1942631

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:20	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/15/2022 23:31	WG1942494
Fluoride	U		0.0640	0.150	1	10/15/2022 23:31	WG1942494
Sulfate	U		0.594	5.00	1	10/15/2022 23:31	WG1942494

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	0.000101	J	0.000100	0.000200	1	10/26/2022 13:32	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	U		0.0200	0.200	1	10/24/2022 18:07	WG1947652

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/29/2022 23:19	WG1947709
Barium	0.000457	J	0.000381	0.00200	1	10/29/2022 23:19	WG1947709
Cadmium	U		0.000150	0.00100	1	10/29/2022 23:19	WG1947709
Calcium	0.152	J	0.0936	1.00	1	10/29/2022 23:19	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:19	WG1947709
Cobalt	U		0.0000596	0.00200	1	10/29/2022 23:19	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 23:19	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:19	WG1947709
Manganese	U		0.000704	0.00500	1	10/29/2022 23:19	WG1947709
Nickel	U		0.000816	0.00200	1	10/29/2022 23:19	WG1947709
Potassium	U		0.108	2.00	1	10/29/2022 23:19	WG1947709
Selenium	U		0.000300	0.00200	1	10/29/2022 23:19	WG1947709
Sodium	1.45	J	0.376	2.00	1	10/30/2022 18:19	WG1947709
Uranium	U		0.0000789	0.00100	1	10/29/2022 23:19	WG1947709
Vanadium	0.000809	J	0.000664	0.00500	1	10/29/2022 23:19	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 13:39	WG1946136

Received by OCD: 6/14/2023 2:10:34 PM

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/20/2022 13:39*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 18:47	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 18:47	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 18:47	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 18:47	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 18:47	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 18:47	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 18:47	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 18:47	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 18:47	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 18:47	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 18:47	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 18:47	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 18:47	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 18:47	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 18:47	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 18:47	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 18:47	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 18:47	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 18:47	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 18:47	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 18:47	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 18:47	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 18:47	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 18:47	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 18:47	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 18:47	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 18:47	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 18:47	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 18:47	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 18:47	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 18:47	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 18:47	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 18:47	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 18:47	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 18:47	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 18:47	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 18:47	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 18:47	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 18:47	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 18:47	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 18:47	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 18:47	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 18:47	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 18:47	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 18:47	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 18:47	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 18:47	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 18:47	WG1943622
(S) Toluene-d8	*98.6*			*80.0-120*		*10/16/2022 18:47*	WG1943622
(S) 4-Bromofluorobenzene	*89.5*			*77.0-126*		*10/16/2022 18:47*	WG1943622

Released to Imaging: 10/3/2023 9:42:06 AM

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*10/16/2022 18:47*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 23:18	WG1945264
(S) o-Terphenyl	*102*			*31.0-160*		*10/20/2022 23:18*	WG1945264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/16/2022 16:00	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 16:00	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 16:00	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 16:00	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 16:00	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 16:00	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 16:00	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 16:00	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 16:00	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 16:00	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 16:00	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 16:00	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 16:00	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 16:00	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 16:00	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 16:00	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 16:00	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 16:00	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 16:00	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 16:00	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 16:00	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 16:00	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 16:00	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 16:00	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 16:00	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 16:00	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 16:00	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 16:00	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 16:00	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 16:00	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 16:00	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 16:00	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 16:00	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 16:00	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 16:00	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 16:00	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 16:00	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 16:00	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 16:00	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 16:00	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 16:00	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 16:00	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 16:00	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 16:00	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 16:00	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 16:00	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 16:00	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 16:00	WG1943622
(S) Toluene-d8	*98.4*			*80.0-120*		*10/16/2022 16:00*	WG1943622
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*10/16/2022 16:00*	WG1943622
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*		*10/16/2022 16:00*	WG1943622

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1030		20.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:18	WG1942632

Sample Narrative:

L1546101-74 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	58.2		0.379	1.00	1	10/16/2022 00:35	WG1942494
Fluoride	1.58		0.0640	0.150	1	10/16/2022 00:35	WG1942494
Sulfate	542		2.97	25.0	5	10/18/2022 06:58	WG1943989

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000998	J	0.000180	0.00200	1	10/29/2022 23:23	WG1947709
Barium	0.0257		0.000381	0.00200	1	10/29/2022 23:23	WG1947709
Calcium	198		0.0936	1.00	1	10/29/2022 23:23	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:23	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 23:23	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:23	WG1947709
Manganese	0.0190		0.000704	0.00500	1	10/29/2022 23:23	WG1947709
Potassium	5.40		0.108	2.00	1	10/29/2022 23:23	WG1947709
Selenium	U		0.000300	0.00200	1	10/29/2022 23:23	WG1947709
Sodium	60.2		0.376	2.00	1	10/30/2022 18:22	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.999		0.0314	0.100	1	10/25/2022 13:23	WG1948345
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/25/2022 13:23*	WG1948345

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 19:07	WG1943622
Benzene	0.0000963	J	0.0000941	0.00100	1	10/16/2022 19:07	WG1943622
Bromodichloromethane	0.000422	J	0.000136	0.00100	1	10/16/2022 19:07	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 19:07	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 19:07	WG1943622
n-Butylbenzene	0.000702	J	0.000157	0.00100	1	10/16/2022 19:07	WG1943622
sec-Butylbenzene	0.0464		0.000125	0.00100	1	10/16/2022 19:07	WG1943622
Carbon disulfide	0.000653	J	0.0000962	0.00100	1	10/16/2022 19:07	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 19:07	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 19:07	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 19:07	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 19:07	WG1943622
Chloroform	0.000648	J	0.000111	0.00500	1	10/16/2022 19:07	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 19:07	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 19:07	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 19:07	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 19:07	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 19:07	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 19:07	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 19:07	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 19:07	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 19:07	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 19:07	WG1943622
Ethylbenzene	0.000144	J	0.000137	0.00100	1	10/16/2022 19:07	WG1943622
Isopropylbenzene	0.0170		0.000105	0.00100	1	10/16/2022 19:07	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 19:07	WG1943622
2-Butanone (MEK)	0.0239		0.00119	0.0100	1	10/16/2022 19:07	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 19:07	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 19:07	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 19:07	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 19:07	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 19:07	WG1943622
n-Propylbenzene	0.00304		0.0000993	0.00100	1	10/16/2022 19:07	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 19:07	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 19:07	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 19:07	WG1943622
1,1,2,2-Tetrachloroethane	0.000258	J	0.000133	0.00100	1	10/16/2022 19:07	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 19:07	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 19:07	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 19:07	WG1943622
1,1,2-Trichloroethane	0.00474		0.000158	0.00100	1	10/16/2022 19:07	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 19:07	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 19:07	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 19:07	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 19:07	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 19:07	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 19:07	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 19:07	WG1943622
(S) Toluene-d8	*85.9*			*80.0-120*		*10/16/2022 19:07*	WG1943622
(S) 4-Bromofluorobenzene	*78.8*			*77.0-126*		*10/16/2022 19:07*	WG1943622
(S) 1,2-Dichloroethane-d4	*90.6*			*70.0-130*		*10/16/2022 19:07*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.12		0.0247	0.100	1	10/20/2022 23:38	WG1945264
(S) o-Terphenyl	*113*			*31.0-160*		*10/20/2022 23:38*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1500		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/19/2022 16:19	WG1942632

Sample Narrative:

L1546101-75 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	294		3.79	10.0	10	10/16/2022 02:10	WG1942494
Fluoride	0.723		0.0640	0.150	1	10/16/2022 01:55	WG1942494
Sulfate	3.00	J	0.594	5.00	1	10/16/2022 01:55	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0248		0.000180	0.00200	1	10/29/2022 23:26	WG1947709
Barium	2.12		0.000381	0.00200	1	10/29/2022 23:26	WG1947709
Calcium	87.2		0.0936	1.00	1	10/29/2022 23:26	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:26	WG1947709
Iron	0.0336	J	0.0281	0.100	1	10/29/2022 23:26	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:26	WG1947709
Manganese	0.0610		0.000704	0.00500	1	10/29/2022 23:26	WG1947709
Potassium	0.537	J	0.108	2.00	1	10/29/2022 23:26	WG1947709
Selenium	0.000550	J	0.000300	0.00200	1	10/29/2022 23:26	WG1947709
Sodium	338		0.376	2.00	1	10/30/2022 18:25	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	88.0		0.314	1.00	10	10/20/2022 16:35	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*92.4*			*78.0-120*		*10/20/2022 16:35*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	10/16/2022 21:54	WG1943622
Benzene	28.9		0.0235	0.250	250	10/16/2022 21:54	WG1943622
Bromodichloromethane	U		0.0340	0.250	250	10/16/2022 21:54	WG1943622
Bromoform	U	J4	0.0323	0.250	250	10/16/2022 21:54	WG1943622
Bromomethane	U		0.151	1.25	250	10/16/2022 21:54	WG1943622
n-Butylbenzene	U		0.0393	0.250	250	10/16/2022 21:54	WG1943622
sec-Butylbenzene	0.0916	J	0.0313	0.250	250	10/16/2022 21:54	WG1943622
Carbon disulfide	U		0.0241	0.250	250	10/16/2022 21:54	WG1943622
Carbon tetrachloride	U		0.0320	0.250	250	10/16/2022 21:54	WG1943622
Chlorobenzene	U		0.0290	0.250	250	10/16/2022 21:54	WG1943622
Chlorodibromomethane	U		0.0350	0.250	250	10/16/2022 21:54	WG1943622
Chloroethane	U		0.0480	1.25	250	10/16/2022 21:54	WG1943622
Chloroform	U		0.0278	1.25	250	10/16/2022 21:54	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U	J3	0.240	0.625	250	10/16/2022 21:54	WG1943622
1,2-Dibromoethane	U		0.0315	0.250	250	10/16/2022 21:54	WG1943622
1,1-Dichloroethane	U		0.0250	0.250	250	10/16/2022 21:54	WG1943622
1,2-Dichloroethane	U		0.0205	0.250	250	10/16/2022 21:54	WG1943622
1,1-Dichloroethene	U		0.0470	0.250	250	10/16/2022 21:54	WG1943622
cis-1,2-Dichloroethene	U		0.0315	0.250	250	10/16/2022 21:54	WG1943622
trans-1,2-Dichloroethene	U		0.0373	0.250	250	10/16/2022 21:54	WG1943622
1,2-Dichloropropane	U		0.0373	0.250	250	10/16/2022 21:54	WG1943622
cis-1,3-Dichloropropene	U	J4	0.0278	0.250	250	10/16/2022 21:54	WG1943622
trans-1,3-Dichloropropene	U	J4	0.0295	0.250	250	10/16/2022 21:54	WG1943622
Ethylbenzene	1.60		0.0343	0.250	250	10/16/2022 21:54	WG1943622
Isopropylbenzene	0.0463	J	0.0263	0.250	250	10/16/2022 21:54	WG1943622
p-Isopropyltoluene	U		0.0300	0.250	250	10/16/2022 21:54	WG1943622
2-Butanone (MEK)	U		0.298	2.50	250	10/16/2022 21:54	WG1943622
2-Hexanone	U		0.197	2.50	250	10/16/2022 21:54	WG1943622
Methylene Chloride	U		0.108	1.25	250	10/16/2022 21:54	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	10/16/2022 21:54	WG1943622
Methyl tert-butyl ether	0.500		0.0253	0.250	250	10/16/2022 21:54	WG1943622
Naphthalene	U		0.250	1.25	250	10/16/2022 21:54	WG1943622
n-Propylbenzene	0.0745	J	0.0248	0.250	250	10/16/2022 21:54	WG1943622
Styrene	0.0392	J	0.0295	0.250	250	10/16/2022 21:54	WG1943622
tert-Butyl alcohol	2.90		1.02	1.25	250	10/16/2022 21:54	WG1943622
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	10/16/2022 21:54	WG1943622
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	10/16/2022 21:54	WG1943622
Tetrachloroethene	U		0.0750	0.250	250	10/16/2022 21:54	WG1943622
Toluene	9.56		0.0695	0.250	250	10/16/2022 21:54	WG1943622
1,1,1-Trichloroethane	U		0.0373	0.250	250	10/16/2022 21:54	WG1943622
1,1,2-Trichloroethane	U		0.0395	0.250	250	10/16/2022 21:54	WG1943622
Trichloroethene	U		0.0475	0.250	250	10/16/2022 21:54	WG1943622
1,2,4-Trimethylbenzene	0.438		0.0805	0.250	250	10/16/2022 21:54	WG1943622
1,3,5-Trimethylbenzene	0.0964	J	0.0260	0.250	250	10/16/2022 21:54	WG1943622
Vinyl chloride	U		0.0585	0.250	250	10/16/2022 21:54	WG1943622
o-Xylene	1.05		0.0435	0.250	250	10/16/2022 21:54	WG1943622
m&p-Xylene	3.12		0.108	0.500	250	10/16/2022 21:54	WG1943622
Xylenes, Total	4.17		0.0435	0.750	250	10/16/2022 21:54	WG1943622
(S) Toluene-d8	*101*			*80.0-120*		*10/16/2022 21:54*	WG1943622
(S) 4-Bromofluorobenzene	*91.3*			*77.0-126*		*10/16/2022 21:54*	WG1943622
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*		*10/16/2022 21:54*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.84		0.0247	0.100	1	10/20/2022 23:59	WG1945264
(S) o-Terphenyl	*128*			*31.0-160*		*10/20/2022 23:59*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1280		50.0	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:21	WG1942632

Sample Narrative:

L1546101-76 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	131		3.79	10.0	10	10/16/2022 02:26	WG1942494
Fluoride	1.14	J	0.640	1.50	10	10/16/2022 02:26	WG1942494
Sulfate	84.5		5.94	50.0	10	10/16/2022 02:26	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00931		0.000180	0.00200	1	10/29/2022 23:36	WG1947709
Barium	0.360		0.000381	0.00200	1	10/29/2022 23:36	WG1947709
Calcium	98.3		0.0936	1.00	1	10/29/2022 23:36	WG1947709
Chromium	0.00133	J	0.00124	0.00200	1	10/29/2022 23:36	WG1947709
Iron	0.0871	J	0.0281	0.100	1	10/29/2022 23:36	WG1947709
Lead	0.00517		0.000849	0.00200	1	10/29/2022 23:36	WG1947709
Manganese	0.0354		0.000704	0.00500	1	10/29/2022 23:36	WG1947709
Potassium	0.279	J	0.108	2.00	1	10/29/2022 23:36	WG1947709
Selenium	U		0.000300	0.00200	1	10/29/2022 23:36	WG1947709
Sodium	358		0.376	2.00	1	10/30/2022 18:39	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	44.6		1.57	5.00	50	10/20/2022 18:02	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*10/20/2022 18:02*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	10/20/2022 23:43	WG1946137
Benzene	15.8		0.0235	0.250	250	10/20/2022 23:43	WG1946137
Bromodichloromethane	U		0.0340	0.250	250	10/20/2022 23:43	WG1946137
Bromoform	U		0.0323	0.250	250	10/20/2022 23:43	WG1946137
Bromomethane	U		0.151	1.25	250	10/20/2022 23:43	WG1946137
n-Butylbenzene	U		0.0393	0.250	250	10/20/2022 23:43	WG1946137
sec-Butylbenzene	U		0.0313	0.250	250	10/20/2022 23:43	WG1946137
Carbon disulfide	U		0.0241	0.250	250	10/20/2022 23:43	WG1946137
Carbon tetrachloride	U		0.0320	0.250	250	10/20/2022 23:43	WG1946137
Chlorobenzene	U		0.0290	0.250	250	10/20/2022 23:43	WG1946137
Chlorodibromomethane	U		0.0350	0.250	250	10/20/2022 23:43	WG1946137
Chloroethane	U		0.0480	1.25	250	10/20/2022 23:43	WG1946137
Chloroform	U		0.0278	1.25	250	10/20/2022 23:43	WG1946137

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.240	0.625	250	10/20/2022 23:43	WG1946137
1,2-Dibromoethane	U		0.0315	0.250	250	10/20/2022 23:43	WG1946137
1,1-Dichloroethane	U		0.0250	0.250	250	10/20/2022 23:43	WG1946137
1,2-Dichloroethane	U		0.0205	0.250	250	10/20/2022 23:43	WG1946137
1,1-Dichloroethene	U		0.0470	0.250	250	10/20/2022 23:43	WG1946137
cis-1,2-Dichloroethene	U		0.0315	0.250	250	10/20/2022 23:43	WG1946137
trans-1,2-Dichloroethene	U		0.0373	0.250	250	10/20/2022 23:43	WG1946137
1,2-Dichloropropane	U		0.0373	0.250	250	10/20/2022 23:43	WG1946137
cis-1,3-Dichloropropene	U		0.0278	0.250	250	10/20/2022 23:43	WG1946137
trans-1,3-Dichloropropene	U		0.0295	0.250	250	10/20/2022 23:43	WG1946137
Ethylbenzene	0.735		0.0343	0.250	250	10/20/2022 23:43	WG1946137
Isopropylbenzene	0.0353	J	0.0263	0.250	250	10/20/2022 23:43	WG1946137
p-Isopropyltoluene	U		0.0300	0.250	250	10/20/2022 23:43	WG1946137
2-Butanone (MEK)	U		0.298	2.50	250	10/20/2022 23:43	WG1946137
2-Hexanone	U		0.197	2.50	250	10/20/2022 23:43	WG1946137
Methylene Chloride	U		0.108	1.25	250	10/20/2022 23:43	WG1946137
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	10/20/2022 23:43	WG1946137
Methyl tert-butyl ether	0.150	J	0.0253	0.250	250	10/20/2022 23:43	WG1946137
Naphthalene	U		0.250	1.25	250	10/20/2022 23:43	WG1946137
n-Propylbenzene	0.0654	J	0.0248	0.250	250	10/20/2022 23:43	WG1946137
Styrene	U		0.0295	0.250	250	10/20/2022 23:43	WG1946137
tert-Butyl alcohol	U		1.02	1.25	250	10/20/2022 23:43	WG1946137
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	10/20/2022 23:43	WG1946137
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	10/20/2022 23:43	WG1946137
Tetrachloroethene	U		0.0750	0.250	250	10/20/2022 23:43	WG1946137
Toluene	0.404		0.0695	0.250	250	10/20/2022 23:43	WG1946137
1,1,1-Trichloroethane	U		0.0373	0.250	250	10/20/2022 23:43	WG1946137
1,1,2-Trichloroethane	U		0.0395	0.250	250	10/20/2022 23:43	WG1946137
Trichloroethene	U		0.0475	0.250	250	10/20/2022 23:43	WG1946137
1,2,4-Trimethylbenzene	0.171	J	0.0805	0.250	250	10/20/2022 23:43	WG1946137
1,3,5-Trimethylbenzene	0.0398	J	0.0260	0.250	250	10/20/2022 23:43	WG1946137
Vinyl chloride	U		0.0585	0.250	250	10/20/2022 23:43	WG1946137
o-Xylene	U		0.0435	0.250	250	10/20/2022 23:43	WG1946137
m&p-Xylene	0.692		0.108	0.500	250	10/20/2022 23:43	WG1946137
Xylenes, Total	0.692	J	0.0435	0.750	250	10/20/2022 23:43	WG1946137
(S) Toluene-d8	*100*			*80.0-120*		*10/20/2022 23:43*	WG1946137
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/20/2022 23:43*	WG1946137
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*10/20/2022 23:43*	WG1946137

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.12		0.0247	0.100	1	10/21/2022 00:19	WG1945264
(S) o-Terphenyl	*115*			*31.0-160*		*10/21/2022 00:19*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3980		100	1	10/19/2022 16:54	WG1945498

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.313		0.0500	0.100	1	10/19/2022 16:22	WG1942632

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	321		3.79	10.0	10	10/16/2022 02:58	WG1942494
Fluoride	1.57		0.640	1.50	10	10/16/2022 02:58	WG1942494
Sulfate	1910		59.4	500	100	10/16/2022 03:14	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00373		0.000180	0.00200	1	10/29/2022 23:39	WG1947709
Barium	0.00971		0.000381	0.00200	1	10/29/2022 23:39	WG1947709
Calcium	573		0.0936	1.00	1	10/29/2022 23:39	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:39	WG1947709
Iron	0.0502	J	0.0281	0.100	1	10/29/2022 23:39	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:39	WG1947709
Manganese	0.0916		0.000704	0.00500	1	10/29/2022 23:39	WG1947709
Potassium	1.03	J	0.108	2.00	1	10/29/2022 23:39	WG1947709
Selenium	0.00573		0.000300	0.00200	1	10/29/2022 23:39	WG1947709
Sodium	167		0.376	2.00	1	10/30/2022 18:43	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 14:01	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*10/20/2022 14:01*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 19:28	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 19:28	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 19:28	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 19:28	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 19:28	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 19:28	WG1943622
sec-Butylbenzene	0.000475	J	0.000125	0.00100	1	10/16/2022 19:28	WG1943622
Carbon disulfide	0.000152	J	0.0000962	0.00100	1	10/16/2022 19:28	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 19:28	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 19:28	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 19:28	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 19:28	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 19:28	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 19:28	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 19:28	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 19:28	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 19:28	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 19:28	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 19:28	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 19:28	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 19:28	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 19:28	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 19:28	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 19:28	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 19:28	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 19:28	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 19:28	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 19:28	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 19:28	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 19:28	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 19:28	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 19:28	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 19:28	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 19:28	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 19:28	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 19:28	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 19:28	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 19:28	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 19:28	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 19:28	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 19:28	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 19:28	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 19:28	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 19:28	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 19:28	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 19:28	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 19:28	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 19:28	WG1943622
(S) Toluene-d8	*99.7*			*80.0-120*		*10/16/2022 19:28*	WG1943622
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*10/16/2022 19:28*	WG1943622
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*10/16/2022 19:28*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.219		0.0247	0.100	1	10/21/2022 21:23	WG1945264
(S) o-Terphenyl	*104*			*31.0-160*		*10/21/2022 21:23*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1720		50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.212		0.0500	0.100	1	10/19/2022 16:31	WG1942632

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	28.4		1.90	5.00	5	10/16/2022 03:30	WG1942494
Fluoride	1.58		0.320	0.750	5	10/16/2022 03:30	WG1942494
Sulfate	1360		11.9	100	20	10/16/2022 03:46	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00463		0.000180	0.00200	1	10/29/2022 23:42	WG1947709
Barium	0.0274		0.000381	0.00200	1	10/29/2022 23:42	WG1947709
Calcium	398		0.0936	1.00	1	10/29/2022 23:42	WG1947709
Chromium	0.00420		0.00124	0.00200	1	10/29/2022 23:42	WG1947709
Iron	1.71		0.0281	0.100	1	10/29/2022 23:42	WG1947709
Lead	0.00493		0.000849	0.00200	1	10/29/2022 23:42	WG1947709
Manganese	0.0905		0.000704	0.00500	1	10/29/2022 23:42	WG1947709
Potassium	0.946	J	0.108	2.00	1	10/29/2022 23:42	WG1947709
Selenium	0.0181		0.000300	0.00200	1	10/29/2022 23:42	WG1947709
Sodium	122		0.376	2.00	1	10/30/2022 18:46	WG1947709

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 19:49	WG1943622
Benzene	0.000118	J	0.0000941	0.00100	1	10/16/2022 19:49	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 19:49	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 19:49	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 19:49	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 19:49	WG1943622
sec-Butylbenzene	0.000347	J	0.000125	0.00100	1	10/16/2022 19:49	WG1943622
Carbon disulfide	0.000104	J	0.0000962	0.00100	1	10/16/2022 19:49	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 19:49	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 19:49	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 19:49	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 19:49	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 19:49	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 19:49	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 19:49	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 19:49	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 19:49	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 19:49	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 19:49	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 19:49	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 19:49	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 19:49	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 19:49	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 19:49	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 19:49	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 19:49	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 19:49	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 19:49	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 19:49	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 19:49	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 19:49	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 19:49	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 19:49	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 19:49	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 19:49	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 19:49	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 19:49	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 19:49	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 19:49	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 19:49	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 19:49	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 19:49	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 19:49	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 19:49	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 19:49	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 19:49	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 19:49	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 19:49	WG1943622
(S) Toluene-d8	*97.4*			*80.0-120*		*10/16/2022 19:49*	WG1943622
(S) 4-Bromofluorobenzene	*88.6*			*77.0-126*		*10/16/2022 19:49*	WG1943622
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*		*10/16/2022 19:49*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.157		0.0247	0.100	1	10/21/2022 20:43	WG1945264
(S) o-Terphenyl	*104*			*31.0-160*		*10/21/2022 20:43*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4070		100	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	377		3.79	10.0	10	10/16/2022 04:34	WG1942494
Fluoride	1.55		0.640	1.50	10	10/16/2022 04:34	WG1942494
Sulfate	2400		59.4	500	100	10/16/2022 04:50	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00371		0.000180	0.00200	1	10/29/2022 23:46	WG1947709
Barium	0.00879		0.000381	0.00200	1	10/29/2022 23:46	WG1947709
Calcium	574		0.0936	1.00	1	10/29/2022 23:46	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:46	WG1947709
Iron	0.0285	J	0.0281	0.100	1	10/29/2022 23:46	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:46	WG1947709
Manganese	0.0261		0.000704	0.00500	1	10/29/2022 23:46	WG1947709
Potassium	1.17	J	0.108	2.00	1	10/29/2022 23:46	WG1947709
Selenium	0.00239		0.000300	0.00200	1	10/29/2022 23:46	WG1947709
Sodium	247		0.376	2.00	1	10/30/2022 18:49	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 14:23	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*10/20/2022 14:23*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 20:10	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 20:10	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 20:10	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 20:10	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 20:10	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 20:10	WG1943622
sec-Butylbenzene	0.000328	J	0.000125	0.00100	1	10/16/2022 20:10	WG1943622
Carbon disulfide	0.0000964	J	0.0000962	0.00100	1	10/16/2022 20:10	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 20:10	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 20:10	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 20:10	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 20:10	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 20:10	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 20:10	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 20:10	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 20:10	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 20:10	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 20:10	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 20:10	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 20:10	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 20:10	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 20:10	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 20:10	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 20:10	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 20:10	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 20:10	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 20:10	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 20:10	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 20:10	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 20:10	WG1943622
Methyl tert-butyl ether	0.00101		0.000101	0.00100	1	10/16/2022 20:10	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 20:10	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 20:10	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 20:10	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 20:10	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 20:10	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 20:10	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 20:10	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 20:10	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 20:10	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 20:10	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 20:10	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 20:10	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 20:10	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 20:10	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 20:10	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 20:10	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 20:10	WG1943622
(S) Toluene-d8	*100*			*80.0-120*		*10/16/2022 20:10*	WG1943622
(S) 4-Bromofluorobenzene	*88.9*			*77.0-126*		*10/16/2022 20:10*	WG1943622
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*10/16/2022 20:10*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.225		0.0247	0.100	1	10/21/2022 21:03	WG1945264
(S) o-Terphenyl	*105*			*31.0-160*		*10/21/2022 21:03*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4630		100	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	298		3.79	10.0	10	10/16/2022 05:06	WG1942494
Fluoride	1.58		0.640	1.50	10	10/16/2022 05:06	WG1942494
Sulfate	2670		59.4	500	100	10/16/2022 05:21	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00438		0.000180	0.00200	1	10/29/2022 23:49	WG1947709
Barium	0.00856		0.000381	0.00200	1	10/29/2022 23:49	WG1947709
Calcium	548		0.0936	1.00	1	10/29/2022 23:49	WG1947709
Chromium	U		0.00124	0.00200	1	10/29/2022 23:49	WG1947709
Iron	U		0.0281	0.100	1	10/29/2022 23:49	WG1947709
Lead	U		0.000849	0.00200	1	10/29/2022 23:49	WG1947709
Manganese	U		0.000704	0.00500	1	10/29/2022 23:49	WG1947709
Potassium	1.25	J	0.108	2.00	1	10/29/2022 23:49	WG1947709
Selenium	0.0107		0.000300	0.00200	1	10/29/2022 23:49	WG1947709
Sodium	262		0.376	2.00	1	10/30/2022 18:52	WG1947709

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 14:45	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/20/2022 14:45*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/16/2022 20:31	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 20:31	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 20:31	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 20:31	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 20:31	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 20:31	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 20:31	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 20:31	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 20:31	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 20:31	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 20:31	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 20:31	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 20:31	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 20:31	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 20:31	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 20:31	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 20:31	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 20:31	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 20:31	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 20:31	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 20:31	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 20:31	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 20:31	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 20:31	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 20:31	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 20:31	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 20:31	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 20:31	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 20:31	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 20:31	WG1943622
Methyl tert-butyl ether	0.000213	J	0.000101	0.00100	1	10/16/2022 20:31	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 20:31	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 20:31	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 20:31	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 20:31	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 20:31	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 20:31	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 20:31	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 20:31	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 20:31	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 20:31	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 20:31	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 20:31	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 20:31	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 20:31	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 20:31	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 20:31	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 20:31	WG1943622
(S) Toluene-d8	*99.1*			*80.0-120*		*10/16/2022 20:31*	WG1943622
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*10/16/2022 20:31*	WG1943622
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*10/16/2022 20:31*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0433	J	0.0247	0.100	1	10/21/2022 01:40	WG1945264
(S) o-Terphenyl	*103*			*31.0-160*		*10/21/2022 01:40*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4950		100	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	583		3.79	10.0	10	10/16/2022 05:37	WG1942494
Fluoride	1.98		0.640	1.50	10	10/16/2022 05:37	WG1942494
Sulfate	2990		59.4	500	100	10/16/2022 05:53	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00307		0.000180	0.00200	1	10/30/2022 14:05	WG1947710
Barium	0.00746		0.000381	0.00200	1	10/30/2022 14:05	WG1947710
Calcium	572		0.0936	1.00	1	10/30/2022 14:05	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:05	WG1947710
Iron	0.0731	J	0.0281	0.100	1	10/30/2022 14:05	WG1947710
Lead	0.00130	J	0.000849	0.00200	1	10/30/2022 14:05	WG1947710
Manganese	0.00866		0.000704	0.00500	1	10/30/2022 14:05	WG1947710
Potassium	0.726	J	0.108	2.00	1	10/30/2022 14:05	WG1947710
Selenium	0.0229		0.000300	0.00200	1	10/30/2022 14:05	WG1947710
Sodium	672		0.376	2.00	1	10/30/2022 14:05	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 15:07	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/20/2022 15:07*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/16/2022 20:51	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 20:51	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 20:51	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 20:51	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 20:51	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 20:51	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 20:51	WG1943622
Carbon disulfide	0.0000964	J	0.0000962	0.00100	1	10/16/2022 20:51	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 20:51	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 20:51	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 20:51	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 20:51	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 20:51	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 20:51	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 20:51	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 20:51	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 20:51	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 20:51	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 20:51	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 20:51	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 20:51	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 20:51	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 20:51	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 20:51	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 20:51	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 20:51	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 20:51	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 20:51	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 20:51	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 20:51	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 20:51	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 20:51	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 20:51	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 20:51	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 20:51	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 20:51	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 20:51	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 20:51	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 20:51	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 20:51	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 20:51	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 20:51	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 20:51	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 20:51	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 20:51	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 20:51	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 20:51	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 20:51	WG1943622
(S) Toluene-d8	*103*			*80.0-120*		*10/16/2022 20:51*	WG1943622
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*10/16/2022 20:51*	WG1943622
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*10/16/2022 20:51*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0355	J	0.0247	0.100	1	10/21/2022 02:00	WG1945264
(S) o-Terphenyl	*102*			*31.0-160*		*10/21/2022 02:00*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3270		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	243		3.79	10.0	10	10/16/2022 06:09	WG1942494
Fluoride	1.53		0.640	1.50	10	10/16/2022 06:09	WG1942494
Sulfate	1780		59.4	500	100	10/16/2022 06:25	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00279		0.000180	0.00200	1	10/30/2022 14:18	WG1947710
Barium	0.00989		0.000381	0.00200	1	10/30/2022 14:18	WG1947710
Calcium	569		0.0936	1.00	1	10/30/2022 14:18	WG1947710
Chromium	0.00126	J	0.00124	0.00200	1	10/30/2022 14:18	WG1947710
Iron	0.0903	J	0.0281	0.100	1	10/30/2022 14:18	WG1947710
Lead	0.00392		0.000849	0.00200	1	10/30/2022 14:18	WG1947710
Manganese	0.0253		0.000704	0.00500	1	10/30/2022 14:18	WG1947710
Potassium	4.94		0.108	2.00	1	10/30/2022 14:18	WG1947710
Selenium	0.00933		0.000300	0.00200	1	10/30/2022 14:18	WG1947710
Sodium	166		0.376	2.00	1	10/30/2022 14:18	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 15:29	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/20/2022 15:29*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 21:12	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 21:12	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 21:12	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 21:12	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 21:12	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 21:12	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 21:12	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 21:12	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 21:12	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 21:12	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 21:12	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 21:12	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 21:12	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 21:12	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 21:12	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 21:12	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 21:12	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 21:12	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 21:12	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 21:12	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 21:12	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 21:12	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 21:12	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 21:12	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 21:12	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 21:12	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 21:12	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 21:12	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 21:12	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 21:12	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 21:12	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 21:12	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 21:12	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 21:12	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 21:12	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 21:12	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 21:12	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 21:12	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 21:12	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 21:12	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 21:12	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 21:12	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 21:12	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 21:12	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 21:12	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 21:12	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 21:12	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 21:12	WG1943622
(S) Toluene-d8	*100*			*80.0-120*		*10/16/2022 21:12*	WG1943622
(S) 4-Bromofluorobenzene	*88.5*			*77.0-126*		*10/16/2022 21:12*	WG1943622
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*10/16/2022 21:12*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0760	J	0.0247	0.100	1	10/21/2022 02:20	WG1945264
(S) o-Terphenyl	*102*			*31.0-160*		*10/21/2022 02:20*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1380		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:35	WG1942632

Sample Narrative:

L1546101-83 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	134		3.79	10.0	10	10/16/2022 06:41	WG1942494
Fluoride	1.15	J	0.640	1.50	10	10/16/2022 06:41	WG1942494
Sulfate	97.1		5.94	50.0	10	10/16/2022 06:41	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00997		0.000180	0.00200	1	10/30/2022 14:21	WG1947710
Barium	0.363		0.00190	0.0100	5	10/30/2022 15:38	WG1947710
Calcium	99.2		0.0936	1.00	1	10/30/2022 14:21	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:21	WG1947710
Iron	0.0281	J	0.0281	0.100	1	10/30/2022 14:21	WG1947710
Lead	0.00558		0.000849	0.00200	1	10/30/2022 14:21	WG1947710
Manganese	0.0356		0.000704	0.00500	1	10/30/2022 14:21	WG1947710
Potassium	0.291	J	0.108	2.00	1	10/30/2022 14:21	WG1947710
Selenium	0.000325	J	0.000300	0.00200	1	10/30/2022 14:21	WG1947710
Sodium	366		0.376	2.00	1	10/30/2022 14:21	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	41.4		1.57	5.00	50	10/20/2022 18:24	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/20/2022 18:24*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	10/21/2022 00:06	WG1946137
Benzene	14.7		0.0235	0.250	250	10/21/2022 00:06	WG1946137
Bromodichloromethane	U		0.0340	0.250	250	10/21/2022 00:06	WG1946137
Bromoform	U		0.0323	0.250	250	10/21/2022 00:06	WG1946137
Bromomethane	U		0.151	1.25	250	10/21/2022 00:06	WG1946137
n-Butylbenzene	U		0.0393	0.250	250	10/21/2022 00:06	WG1946137
sec-Butylbenzene	U		0.0313	0.250	250	10/21/2022 00:06	WG1946137
Carbon disulfide	U		0.0241	0.250	250	10/21/2022 00:06	WG1946137
Carbon tetrachloride	U		0.0320	0.250	250	10/21/2022 00:06	WG1946137
Chlorobenzene	U		0.0290	0.250	250	10/21/2022 00:06	WG1946137
Chlorodibromomethane	U		0.0350	0.250	250	10/21/2022 00:06	WG1946137
Chloroethane	U		0.0480	1.25	250	10/21/2022 00:06	WG1946137
Chloroform	U		0.0278	1.25	250	10/21/2022 00:06	WG1946137

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.240	0.625	250	10/21/2022 00:06	WG1946137
1,2-Dibromoethane	U		0.0315	0.250	250	10/21/2022 00:06	WG1946137
1,1-Dichloroethane	U		0.0250	0.250	250	10/21/2022 00:06	WG1946137
1,2-Dichloroethane	U		0.0205	0.250	250	10/21/2022 00:06	WG1946137
1,1-Dichloroethene	U		0.0470	0.250	250	10/21/2022 00:06	WG1946137
cis-1,2-Dichloroethene	U		0.0315	0.250	250	10/21/2022 00:06	WG1946137
trans-1,2-Dichloroethene	U		0.0373	0.250	250	10/21/2022 00:06	WG1946137
1,2-Dichloropropane	U		0.0373	0.250	250	10/21/2022 00:06	WG1946137
cis-1,3-Dichloropropene	U		0.0278	0.250	250	10/21/2022 00:06	WG1946137
trans-1,3-Dichloropropene	U		0.0295	0.250	250	10/21/2022 00:06	WG1946137
Ethylbenzene	0.710		0.0343	0.250	250	10/21/2022 00:06	WG1946137
Isopropylbenzene	0.0357	J	0.0263	0.250	250	10/21/2022 00:06	WG1946137
p-Isopropyltoluene	U		0.0300	0.250	250	10/21/2022 00:06	WG1946137
2-Butanone (MEK)	U		0.298	2.50	250	10/21/2022 00:06	WG1946137
2-Hexanone	U		0.197	2.50	250	10/21/2022 00:06	WG1946137
Methylene Chloride	U		0.108	1.25	250	10/21/2022 00:06	WG1946137
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	10/21/2022 00:06	WG1946137
Methyl tert-butyl ether	0.152	J	0.0253	0.250	250	10/21/2022 00:06	WG1946137
Naphthalene	U		0.250	1.25	250	10/21/2022 00:06	WG1946137
n-Propylbenzene	0.0635	J	0.0248	0.250	250	10/21/2022 00:06	WG1946137
Styrene	U		0.0295	0.250	250	10/21/2022 00:06	WG1946137
tert-Butyl alcohol	U		1.02	1.25	250	10/21/2022 00:06	WG1946137
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	10/21/2022 00:06	WG1946137
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	10/21/2022 00:06	WG1946137
Tetrachloroethene	U		0.0750	0.250	250	10/21/2022 00:06	WG1946137
Toluene	0.405		0.0695	0.250	250	10/21/2022 00:06	WG1946137
1,1,1-Trichloroethane	U		0.0373	0.250	250	10/21/2022 00:06	WG1946137
1,1,2-Trichloroethane	U		0.0395	0.250	250	10/21/2022 00:06	WG1946137
Trichloroethene	U		0.0475	0.250	250	10/21/2022 00:06	WG1946137
1,2,4-Trimethylbenzene	0.171	J	0.0805	0.250	250	10/21/2022 00:06	WG1946137
1,3,5-Trimethylbenzene	0.0402	J	0.0260	0.250	250	10/21/2022 00:06	WG1946137
Vinyl chloride	U		0.0585	0.250	250	10/21/2022 00:06	WG1946137
o-Xylene	U		0.0435	0.250	250	10/21/2022 00:06	WG1946137
m&p-Xylene	0.643		0.108	0.500	250	10/21/2022 00:06	WG1946137
Xylenes, Total	0.643	J	0.0435	0.750	250	10/21/2022 00:06	WG1946137
(S) Toluene-d8	*103*			*80.0-120*		*10/21/2022 00:06*	WG1946137
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*10/21/2022 00:06*	WG1946137
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*10/21/2022 00:06*	WG1946137

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.66		0.0247	0.100	1	10/21/2022 02:40	WG1945264
(S) o-Terphenyl	*113*			*31.0-160*		*10/21/2022 02:40*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 16:36	WG1942632

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/16/2022 07:45	WG1942494
Fluoride	U		0.0640	0.150	1	10/16/2022 07:45	WG1942494
Sulfate	U		0.594	5.00	1	10/16/2022 07:45	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/30/2022 14:25	WG1947710
Barium	0.000413	J	0.000381	0.00200	1	10/30/2022 14:25	WG1947710
Calcium	0.134	J	0.0936	1.00	1	10/30/2022 14:25	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:25	WG1947710
Iron	U		0.0281	0.100	1	10/30/2022 14:25	WG1947710
Lead	U		0.000849	0.00200	1	10/30/2022 14:25	WG1947710
Manganese	U		0.000704	0.00500	1	10/30/2022 14:25	WG1947710
Potassium	U		0.108	2.00	1	10/30/2022 14:25	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 14:25	WG1947710
Sodium	U		0.376	2.00	1	10/30/2022 14:25	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 11:49	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/20/2022 11:49*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 16:21	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 16:21	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 16:21	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 16:21	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 16:21	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 16:21	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 16:21	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 16:21	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 16:21	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 16:21	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 16:21	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 16:21	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 16:21	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 16:21	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 16:21	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 16:21	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 16:21	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 16:21	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 16:21	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 16:21	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 16:21	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 16:21	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 16:21	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 16:21	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 16:21	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 16:21	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 16:21	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 16:21	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 16:21	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 16:21	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 16:21	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 16:21	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 16:21	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 16:21	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 16:21	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 16:21	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 16:21	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 16:21	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 16:21	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 16:21	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 16:21	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 16:21	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 16:21	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 16:21	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 16:21	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 16:21	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 16:21	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 16:21	WG1943622
(S) Toluene-d8	*102*			*80.0-120*		*10/16/2022 16:21*	WG1943622
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*10/16/2022 16:21*	WG1943622
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*10/16/2022 16:21*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/21/2022 03:00	WG1945264
(S) o-Terphenyl	*105*			*31.0-160*		*10/21/2022 03:00*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4540		100	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	302		3.79	10.0	10	10/16/2022 08:01	WG1942494
Fluoride	1.59		0.640	1.50	10	10/16/2022 08:01	WG1942494
Sulfate	2660		59.4	500	100	10/16/2022 08:16	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00426		0.000180	0.00200	1	10/30/2022 14:28	WG1947710
Barium	0.00800		0.000381	0.00200	1	10/30/2022 14:28	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:28	WG1947710
Iron	U		0.0281	0.100	1	10/30/2022 14:28	WG1947710
Lead	U		0.000849	0.00200	1	10/30/2022 14:28	WG1947710
Manganese	U		0.000704	0.00500	1	10/30/2022 14:28	WG1947710
Selenium	0.0104		0.000300	0.00200	1	10/30/2022 14:28	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 15:51	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*10/20/2022 15:51*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 21:33	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 21:33	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 21:33	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 21:33	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 21:33	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 21:33	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 21:33	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 21:33	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 21:33	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 21:33	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 21:33	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 21:33	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 21:33	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 21:33	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 21:33	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 21:33	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 21:33	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 21:33	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 21:33	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 21:33	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 21:33	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 21:33	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 21:33	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 21:33	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 21:33	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 21:33	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 21:33	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 21:33	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 21:33	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 21:33	WG1943622
Methyl tert-butyl ether	0.000211	J	0.000101	0.00100	1	10/16/2022 21:33	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 21:33	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 21:33	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 21:33	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 21:33	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 21:33	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 21:33	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 21:33	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 21:33	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 21:33	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 21:33	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 21:33	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 21:33	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 21:33	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 21:33	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 21:33	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 21:33	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 21:33	WG1943622
(S) Toluene-d8	*98.1*			*80.0-120*		*10/16/2022 21:33*	WG1943622
(S) 4-Bromofluorobenzene	*89.2*			*77.0-126*		*10/16/2022 21:33*	WG1943622
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*10/16/2022 21:33*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0341	J	0.0247	0.100	1	10/21/2022 03:21	WG1945264
(S) o-Terphenyl	*104*			*31.0-160*		*10/21/2022 03:21*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/16/2022 08:32	WG1942494
Fluoride	U		0.0640	0.150	1	10/16/2022 08:32	WG1942494
Sulfate	U		0.594	5.00	1	10/16/2022 08:32	WG1942494

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/30/2022 14:38	WG1947710
Barium	0.000717	J	0.000381	0.00200	1	10/30/2022 14:38	WG1947710
Chromium	0.00133	J	0.00124	0.00200	1	10/30/2022 14:38	WG1947710
Iron	U		0.0281	0.100	1	10/30/2022 14:38	WG1947710
Lead	U		0.000849	0.00200	1	10/30/2022 14:38	WG1947710
Manganese	0.00361	J	0.000704	0.00500	1	10/30/2022 14:38	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 14:38	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 12:11	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/20/2022 12:11*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 16:42	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 16:42	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 16:42	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 16:42	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 16:42	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 16:42	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 16:42	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 16:42	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 16:42	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 16:42	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 16:42	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 16:42	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 16:42	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 16:42	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 16:42	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 16:42	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 16:42	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 16:42	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 16:42	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 16:42	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 16:42	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 16:42	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 16:42	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 16:42	WG1943622

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 16:42	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 16:42	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 16:42	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 16:42	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 16:42	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 16:42	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 16:42	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 16:42	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 16:42	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 16:42	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 16:42	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 16:42	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 16:42	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 16:42	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 16:42	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 16:42	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 16:42	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 16:42	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 16:42	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 16:42	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 16:42	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 16:42	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 16:42	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 16:42	WG1943622
(S) Toluene-d8	*98.1*			*80.0-120*		*10/16/2022 16:42*	WG1943622
(S) 4-Bromofluorobenzene	*88.6*			*77.0-126*		*10/16/2022 16:42*	WG1943622
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*10/16/2022 16:42*	WG1943622

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/21/2022 03:41	WG1945264
(S) o-Terphenyl	*104*			*31.0-160*		*10/21/2022 03:41*	WG1945264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/16/2022 17:02	WG1943622
Benzene	U		0.0000941	0.00100	1	10/16/2022 17:02	WG1943622
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 17:02	WG1943622
Bromoform	U	J4	0.000129	0.00100	1	10/16/2022 17:02	WG1943622
Bromomethane	U		0.000605	0.00500	1	10/16/2022 17:02	WG1943622
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 17:02	WG1943622
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 17:02	WG1943622
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 17:02	WG1943622
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 17:02	WG1943622
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 17:02	WG1943622
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 17:02	WG1943622
Chloroethane	U		0.000192	0.00500	1	10/16/2022 17:02	WG1943622
Chloroform	U		0.000111	0.00500	1	10/16/2022 17:02	WG1943622
Chloromethane	U	J3	0.000960	0.00250	1	10/16/2022 17:02	WG1943622
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 17:02	WG1943622
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 17:02	WG1943622
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 17:02	WG1943622
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 17:02	WG1943622
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 17:02	WG1943622
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 17:02	WG1943622
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 17:02	WG1943622
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2022 17:02	WG1943622
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/16/2022 17:02	WG1943622
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 17:02	WG1943622
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 17:02	WG1943622
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 17:02	WG1943622
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 17:02	WG1943622
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 17:02	WG1943622
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 17:02	WG1943622
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 17:02	WG1943622
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 17:02	WG1943622
Naphthalene	U		0.00100	0.00500	1	10/16/2022 17:02	WG1943622
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 17:02	WG1943622
Styrene	U		0.000118	0.00100	1	10/16/2022 17:02	WG1943622
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 17:02	WG1943622
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 17:02	WG1943622
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 17:02	WG1943622
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 17:02	WG1943622
Toluene	U		0.000278	0.00100	1	10/16/2022 17:02	WG1943622
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 17:02	WG1943622
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 17:02	WG1943622
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 17:02	WG1943622
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 17:02	WG1943622
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 17:02	WG1943622
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 17:02	WG1943622
o-Xylene	U		0.000174	0.00100	1	10/16/2022 17:02	WG1943622
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 17:02	WG1943622
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 17:02	WG1943622
(S) Toluene-d8	*98.8*			*80.0-120*		*10/16/2022 17:02*	WG1943622
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*10/16/2022 17:02*	WG1943622
(S) 1,2-Dichloroethane-d4	*90.5*			*70.0-130*		*10/16/2022 17:02*	WG1943622

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1130	J3	25.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/19/2022 16:37	WG1942632

Sample Narrative:

L1546101-88 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	177		0.379	1.00	1	10/17/2022 20:36	WG1942495
Fluoride	1.10		0.0640	0.150	1	10/17/2022 20:36	WG1942495
Sulfate	114		0.594	5.00	1	10/17/2022 20:36	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00450		0.000180	0.00200	1	10/30/2022 14:41	WG1947710
Barium	0.117		0.000381	0.00200	1	10/30/2022 14:41	WG1947710
Calcium	168		0.0936	1.00	1	10/30/2022 14:41	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:41	WG1947710
Iron	0.622		0.0281	0.100	1	10/30/2022 14:41	WG1947710
Lead	U		0.000849	0.00200	1	10/30/2022 14:41	WG1947710
Manganese	0.747		0.000704	0.00500	1	10/30/2022 14:41	WG1947710
Potassium	0.715	J	0.108	2.00	1	10/30/2022 14:41	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 14:41	WG1947710
Sodium	148		0.376	2.00	1	10/30/2022 14:41	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.54		0.314	1.00	10	10/20/2022 16:57	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*10/20/2022 16:57*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0396	J	0.0113	0.0500	1	10/17/2022 06:54	WG1943691
Benzene	0.467		0.000941	0.0100	10	10/21/2022 00:29	WG1946137
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 06:54	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 06:54	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 06:54	WG1943691
n-Butylbenzene	0.00118		0.000157	0.00100	1	10/17/2022 06:54	WG1943691
sec-Butylbenzene	0.00372		0.000125	0.00100	1	10/17/2022 06:54	WG1943691
Carbon disulfide	0.000295	J	0.0000962	0.00100	1	10/17/2022 06:54	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 06:54	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 06:54	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 06:54	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 06:54	WG1943691
Chloroform	0.00500	J	0.000111	0.00500	1	10/17/2022 06:54	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/17/2022 06:54	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 06:54	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 06:54	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 06:54	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 06:54	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 06:54	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 06:54	WG1943691
1,2-Dichloropropane	0.000235	J	0.000149	0.00100	1	10/17/2022 06:54	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 06:54	WG1943691
trans-1,3-Dichloropropene	0.000229	J J4	0.000118	0.00100	1	10/17/2022 06:54	WG1943691
Ethylbenzene	0.00483		0.000137	0.00100	1	10/17/2022 06:54	WG1943691
Isopropylbenzene	0.0141		0.000105	0.00100	1	10/17/2022 06:54	WG1943691
p-Isopropyltoluene	0.000540	J	0.000120	0.00100	1	10/17/2022 06:54	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 06:54	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 06:54	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 06:54	WG1943691
4-Methyl-2-pentanone (MIBK)	0.00283	J	0.000478	0.0100	1	10/17/2022 06:54	WG1943691
Methyl tert-butyl ether	0.0657		0.000101	0.00100	1	10/17/2022 06:54	WG1943691
Naphthalene	0.00368	J	0.00100	0.00500	1	10/17/2022 06:54	WG1943691
n-Propylbenzene	0.0159		0.0000993	0.00100	1	10/17/2022 06:54	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 06:54	WG1943691
tert-Butyl alcohol	0.108		0.00406	0.00500	1	10/17/2022 06:54	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 06:54	WG1943691
1,1,2,2-Tetrachloroethane	0.000509	J	0.000133	0.00100	1	10/17/2022 06:54	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 06:54	WG1943691
Toluene	0.00260		0.000278	0.00100	1	10/17/2022 06:54	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 06:54	WG1943691
1,1,2-Trichloroethane	0.00134		0.000158	0.00100	1	10/17/2022 06:54	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 06:54	WG1943691
1,2,4-Trimethylbenzene	0.00640		0.000322	0.00100	1	10/17/2022 06:54	WG1943691
1,3,5-Trimethylbenzene	0.000484	J	0.000104	0.00100	1	10/17/2022 06:54	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 06:54	WG1943691
o-Xylene	0.000380	J	0.000174	0.00100	1	10/17/2022 06:54	WG1943691
m&p-Xylene	0.0164		0.000430	0.00200	1	10/17/2022 06:54	WG1943691
Xylenes, Total	0.0168		0.000174	0.00300	1	10/17/2022 06:54	WG1943691
(S) Toluene-d8	*93.2*			*80.0-120*		*10/17/2022 06:54*	WG1943691
(S) Toluene-d8	*103*			*80.0-120*		*10/21/2022 00:29*	WG1946137
(S) 4-Bromofluorobenzene	*88.9*			*77.0-126*		*10/17/2022 06:54*	WG1943691
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/21/2022 00:29*	WG1946137
(S) 1,2-Dichloroethane-d4	*83.2*			*70.0-130*		*10/17/2022 06:54*	WG1943691
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*10/21/2022 00:29*	WG1946137

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.12		0.0247	0.100	1	10/21/2022 04:01	WG1945264
(S) o-Terphenyl	*118*			*31.0-160*		*10/21/2022 04:01*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	740	J3	13.3	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	8.85		0.250	0.500	5	10/19/2022 16:39	WG1942632

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	17.8		0.379	1.00	1	10/17/2022 21:27	WG1942495
Fluoride	0.633		0.0640	0.150	1	10/17/2022 21:27	WG1942495
Sulfate	372		2.97	25.0	5	10/17/2022 22:06	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00757		0.000180	0.00200	1	10/30/2022 14:44	WG1947710
Barium	0.103		0.000381	0.00200	1	10/30/2022 14:44	WG1947710
Calcium	181		0.0936	1.00	1	10/30/2022 14:44	WG1947710
Chromium	0.00164	J	0.00124	0.00200	1	10/30/2022 14:44	WG1947710
Iron	3.26		0.0281	0.100	1	10/30/2022 14:44	WG1947710
Lead	0.00383		0.000849	0.00200	1	10/30/2022 14:44	WG1947710
Manganese	0.166		0.000704	0.00500	1	10/30/2022 14:44	WG1947710
Potassium	4.04		0.108	2.00	1	10/30/2022 14:44	WG1947710
Selenium	0.00133	J	0.000300	0.00200	1	10/30/2022 14:44	WG1947710
Sodium	11.7		0.376	2.00	1	10/30/2022 14:44	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.46		0.785	2.50	25	10/20/2022 17:40	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*78.0-120*		*10/20/2022 17:40*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		1.13	5.00	100	10/17/2022 05:10	WG1943691
Benzene	0.904		0.00941	0.100	100	10/17/2022 05:10	WG1943691
Bromodichloromethane	U		0.0136	0.100	100	10/17/2022 05:10	WG1943691
Bromoform	U	J4	0.0129	0.100	100	10/17/2022 05:10	WG1943691
Bromomethane	U		0.0605	0.500	100	10/17/2022 05:10	WG1943691
n-Butylbenzene	0.0404	J	0.0157	0.100	100	10/17/2022 05:10	WG1943691
sec-Butylbenzene	0.0426	J	0.0125	0.100	100	10/17/2022 05:10	WG1943691
Carbon disulfide	0.0126	J	0.00962	0.100	100	10/17/2022 05:10	WG1943691
Carbon tetrachloride	U		0.0128	0.100	100	10/17/2022 05:10	WG1943691
Chlorobenzene	U		0.0116	0.100	100	10/17/2022 05:10	WG1943691
Chlorodibromomethane	U		0.0140	0.100	100	10/17/2022 05:10	WG1943691
Chloroethane	U		0.0192	0.500	100	10/17/2022 05:10	WG1943691
Chloroform	0.0315	J	0.0111	0.500	100	10/17/2022 05:10	WG1943691
Chloromethane	U		0.0960	0.250	100	10/17/2022 05:10	WG1943691
1,2-Dibromoethane	U		0.0126	0.100	100	10/17/2022 05:10	WG1943691
1,1-Dichloroethane	U		0.0100	0.100	100	10/17/2022 05:10	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00819	0.100	100	10/17/2022 05:10	WG1943691
1,1-Dichloroethene	U		0.0188	0.100	100	10/17/2022 05:10	WG1943691
cis-1,2-Dichloroethene	U		0.0126	0.100	100	10/17/2022 05:10	WG1943691
trans-1,2-Dichloroethene	U		0.0149	0.100	100	10/17/2022 05:10	WG1943691
1,2-Dichloropropane	U		0.0149	0.100	100	10/17/2022 05:10	WG1943691
cis-1,3-Dichloropropene	U	J4	0.0111	0.100	100	10/17/2022 05:10	WG1943691
trans-1,3-Dichloropropene	U	J4	0.0118	0.100	100	10/17/2022 05:10	WG1943691
Ethylbenzene	0.0553	J	0.0137	0.100	100	10/17/2022 05:10	WG1943691
Isopropylbenzene	0.0358	J	0.0105	0.100	100	10/17/2022 05:10	WG1943691
p-Isopropyltoluene	U		0.0120	0.100	100	10/17/2022 05:10	WG1943691
2-Butanone (MEK)	U		0.119	1.00	100	10/17/2022 05:10	WG1943691
2-Hexanone	U		0.0787	1.00	100	10/17/2022 05:10	WG1943691
Methylene Chloride	U		0.0430	0.500	100	10/17/2022 05:10	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.0478	1.00	100	10/17/2022 05:10	WG1943691
Methyl tert-butyl ether	U		0.0101	0.100	100	10/17/2022 05:10	WG1943691
Naphthalene	U		0.100	0.500	100	10/17/2022 05:10	WG1943691
n-Propylbenzene	0.0409	J	0.00993	0.100	100	10/17/2022 05:10	WG1943691
Styrene	U		0.0118	0.100	100	10/17/2022 05:10	WG1943691
tert-Butyl alcohol	U		0.406	0.500	100	10/17/2022 05:10	WG1943691
1,1,1,2-Tetrachloroethane	U		0.0147	0.100	100	10/17/2022 05:10	WG1943691
1,1,2,2-Tetrachloroethane	U		0.0133	0.100	100	10/17/2022 05:10	WG1943691
Tetrachloroethene	U		0.0300	0.100	100	10/17/2022 05:10	WG1943691
Toluene	U		0.0278	0.100	100	10/17/2022 05:10	WG1943691
1,1,1-Trichloroethane	U		0.0149	0.100	100	10/17/2022 05:10	WG1943691
1,1,2-Trichloroethane	U		0.0158	0.100	100	10/17/2022 05:10	WG1943691
Trichloroethene	U		0.0190	0.100	100	10/17/2022 05:10	WG1943691
1,2,4-Trimethylbenzene	0.0428	J	0.0322	0.100	100	10/17/2022 05:10	WG1943691
1,3,5-Trimethylbenzene	U		0.0104	0.100	100	10/17/2022 05:10	WG1943691
Vinyl chloride	U	J3	0.0234	0.100	100	10/17/2022 05:10	WG1943691
o-Xylene	U		0.0174	0.100	100	10/17/2022 05:10	WG1943691
m&p-Xylene	0.148	J	0.0430	0.200	100	10/17/2022 05:10	WG1943691
Xylenes, Total	0.148	J	0.0174	0.300	100	10/17/2022 05:10	WG1943691
(S) Toluene-d8	*101*			*80.0-120*		*10/17/2022 05:10*	WG1943691
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*10/17/2022 05:10*	WG1943691
(S) 1,2-Dichloroethane-d4	*87.5*			*70.0-130*		*10/17/2022 05:10*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.36		0.0247	0.100	1	10/21/2022 04:21	WG1945264
(S) o-Terphenyl	*113*			*31.0-160*		*10/21/2022 04:21*	WG1945264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1880		50.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:40	WG1942632

Sample Narrative:

L1546101-90 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	387		3.79	10.0	10	10/17/2022 22:31	WG1942495
Fluoride	1.18		0.0640	0.150	1	10/17/2022 22:18	WG1942495
Sulfate	576		5.94	50.0	10	10/17/2022 22:31	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00196	J	0.000180	0.00200	1	10/30/2022 14:47	WG1947710
Barium	0.0521		0.000381	0.00200	1	10/30/2022 14:47	WG1947710
Calcium	279		0.0936	1.00	1	10/30/2022 14:47	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:47	WG1947710
Iron	U		0.0281	0.100	1	10/30/2022 14:47	WG1947710
Lead	0.00358		0.000849	0.00200	1	10/30/2022 14:47	WG1947710
Manganese	0.0234		0.000704	0.00500	1	10/30/2022 14:47	WG1947710
Potassium	0.836	J	0.108	2.00	1	10/30/2022 14:47	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 14:47	WG1947710
Sodium	270		0.376	2.00	1	10/30/2022 14:47	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	9.03		0.314	1.00	10	10/20/2022 17:19	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*78.0-120*		*10/20/2022 17:19*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2022 05:31	WG1943691
Benzene	1.46		0.00471	0.0500	50	10/17/2022 05:31	WG1943691
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2022 05:31	WG1943691
Bromoform	U	J4	0.00645	0.0500	50	10/17/2022 05:31	WG1943691
Bromomethane	U		0.0303	0.250	50	10/17/2022 05:31	WG1943691
n-Butylbenzene	0.0279	J	0.00785	0.0500	50	10/17/2022 05:31	WG1943691
sec-Butylbenzene	0.0294	J	0.00625	0.0500	50	10/17/2022 05:31	WG1943691
Carbon disulfide	0.0153	J	0.00481	0.0500	50	10/17/2022 05:31	WG1943691
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2022 05:31	WG1943691
Chlorobenzene	U		0.00580	0.0500	50	10/17/2022 05:31	WG1943691
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2022 05:31	WG1943691
Chloroethane	U		0.00960	0.250	50	10/17/2022 05:31	WG1943691
Chloroform	0.0339	J	0.00555	0.250	50	10/17/2022 05:31	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	0.0567	J	0.0480	0.125	50	10/17/2022 05:31	WG1943691
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2022 05:31	WG1943691
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2022 05:31	WG1943691
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2022 05:31	WG1943691
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2022 05:31	WG1943691
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2022 05:31	WG1943691
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2022 05:31	WG1943691
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2022 05:31	WG1943691
cis-1,3-Dichloropropene	U	J4	0.00555	0.0500	50	10/17/2022 05:31	WG1943691
trans-1,3-Dichloropropene	U	J4	0.00590	0.0500	50	10/17/2022 05:31	WG1943691
Ethylbenzene	0.0783		0.00685	0.0500	50	10/17/2022 05:31	WG1943691
Isopropylbenzene	0.126		0.00525	0.0500	50	10/17/2022 05:31	WG1943691
p-Isopropyltoluene	0.0123	J	0.00600	0.0500	50	10/17/2022 05:31	WG1943691
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2022 05:31	WG1943691
2-Hexanone	U		0.0394	0.500	50	10/17/2022 05:31	WG1943691
Methylene Chloride	U		0.0215	0.250	50	10/17/2022 05:31	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2022 05:31	WG1943691
Methyl tert-butyl ether	0.00701	J	0.00505	0.0500	50	10/17/2022 05:31	WG1943691
Naphthalene	0.267		0.0500	0.250	50	10/17/2022 05:31	WG1943691
n-Propylbenzene	0.174		0.00497	0.0500	50	10/17/2022 05:31	WG1943691
Styrene	U		0.00590	0.0500	50	10/17/2022 05:31	WG1943691
tert-Butyl alcohol	U		0.203	0.250	50	10/17/2022 05:31	WG1943691
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2022 05:31	WG1943691
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2022 05:31	WG1943691
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2022 05:31	WG1943691
Toluene	0.201		0.0139	0.0500	50	10/17/2022 05:31	WG1943691
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2022 05:31	WG1943691
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2022 05:31	WG1943691
Trichloroethene	U		0.00950	0.0500	50	10/17/2022 05:31	WG1943691
1,2,4-Trimethylbenzene	0.372		0.0161	0.0500	50	10/17/2022 05:31	WG1943691
1,3,5-Trimethylbenzene	0.0448	J	0.00520	0.0500	50	10/17/2022 05:31	WG1943691
Vinyl chloride	U	J3	0.0117	0.0500	50	10/17/2022 05:31	WG1943691
o-Xylene	U		0.00870	0.0500	50	10/17/2022 05:31	WG1943691
m&p-Xylene	0.918		0.0215	0.100	50	10/17/2022 05:31	WG1943691
Xylenes, Total	0.918		0.00870	0.150	50	10/17/2022 05:31	WG1943691
(S) Toluene-d8	*98.6*			*80.0-120*		*10/17/2022 05:31*	WG1943691
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*10/17/2022 05:31*	WG1943691
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*10/17/2022 05:31*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.44		0.0247	0.100	1	10/21/2022 05:41	WG1945863
(S) o-Terphenyl	*94.2*			*31.0-160*		*10/21/2022 05:41*	WG1945863

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	0.000495	J	0.0000886	0.00100	1	10/19/2022 23:44	WG1943567
Acenaphthylene	U		0.0000921	0.00100	1	10/19/2022 23:44	WG1943567
Acetophenone	U		0.000208	0.0100	1	10/19/2022 23:44	WG1943567
Anthracene	U		0.0000804	0.00100	1	10/19/2022 23:44	WG1943567
Atrazine	U		0.000255	0.0100	1	10/19/2022 23:44	WG1943567
Benzo(a)anthracene	U		0.000199	0.00100	1	10/19/2022 23:44	WG1943567
Benzaldehyde	U		0.00169	0.0100	1	10/19/2022 23:44	WG1943567

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.000130	0.00100	1	10/19/2022 23:44	WG1943567
Benzo(k)fluoranthene	U		0.000120	0.00100	1	10/19/2022 23:44	WG1943567
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	10/19/2022 23:44	WG1943567
Benzo(a)pyrene	U		0.0000381	0.000200	1	10/19/2022 23:44	WG1943567
Biphenyl	0.00336	J	0.000790	0.0100	1	10/19/2022 23:44	WG1943567
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	10/19/2022 23:44	WG1943567
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	10/19/2022 23:44	WG1943567
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	10/19/2022 23:44	WG1943567
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	10/19/2022 23:44	WG1943567
2-Chloronaphthalene	U		0.0000648	0.00100	1	10/19/2022 23:44	WG1943567
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	10/19/2022 23:44	WG1943567
Caprolactam	U		0.000309	0.0100	1	10/19/2022 23:44	WG1943567
Carbazole	0.00128	J	0.000111	0.0100	1	10/19/2022 23:44	WG1943567
Chrysene	U		0.000130	0.00100	1	10/19/2022 23:44	WG1943567
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	10/19/2022 23:44	WG1943567
Dibenzofuran	0.00311	J	0.0000970	0.0100	1	10/19/2022 23:44	WG1943567
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	10/19/2022 23:44	WG1943567
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	10/19/2022 23:44	WG1943567
2,6-Dinitrotoluene	U		0.000250	0.0100	1	10/19/2022 23:44	WG1943567
Fluoranthene	U		0.000102	0.00100	1	10/19/2022 23:44	WG1943567
Fluorene	0.00184		0.0000844	0.00100	1	10/19/2022 23:44	WG1943567
Hexachlorobenzene	U		0.0000755	0.00100	1	10/19/2022 23:44	WG1943567
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	10/19/2022 23:44	WG1943567
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	10/19/2022 23:44	WG1943567
Hexachloroethane	U		0.000127	0.0100	1	10/19/2022 23:44	WG1943567
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	10/19/2022 23:44	WG1943567
Isophorone	U		0.000143	0.0100	1	10/19/2022 23:44	WG1943567
1-Methylnaphthalene	0.0738		0.0000790	0.00100	1	10/19/2022 23:44	WG1943567
2-Methylnaphthalene	0.0280		0.000117	0.00100	1	10/19/2022 23:44	WG1943567
Naphthalene	0.0978		0.000159	0.00100	1	10/19/2022 23:44	WG1943567
Nitrobenzene	U		0.000297	0.0100	1	10/19/2022 23:44	WG1943567
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	10/19/2022 23:44	WG1943567
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	10/19/2022 23:44	WG1943567
Phenanthrene	0.00119		0.000112	0.00100	1	10/19/2022 23:44	WG1943567
Benzylbutyl phthalate	U		0.000765	0.00300	1	10/19/2022 23:44	WG1943567
Bis(2-ethylhexyl)phthalate	0.0143		0.000895	0.00300	1	10/19/2022 23:44	WG1943567
Di-n-butyl phthalate	U		0.000453	0.00300	1	10/19/2022 23:44	WG1943567
Diethyl phthalate	U		0.000287	0.00300	1	10/19/2022 23:44	WG1943567
Dimethyl phthalate	U		0.000260	0.00300	1	10/19/2022 23:44	WG1943567
Di-n-octyl phthalate	U		0.000932	0.00300	1	10/19/2022 23:44	WG1943567
Pyrene	U		0.000107	0.00100	1	10/19/2022 23:44	WG1943567
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	10/19/2022 23:44	WG1943567
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	10/19/2022 23:44	WG1943567
2-Chlorophenol	U		0.000133	0.0100	1	10/19/2022 23:44	WG1943567
2,4-Dichlorophenol	0.000268	J	0.000102	0.0100	1	10/19/2022 23:44	WG1943567
2,4-Dimethylphenol	0.000876	J	0.0000636	0.0100	1	10/19/2022 23:44	WG1943567
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	10/19/2022 23:44	WG1943567
2,4-Dinitrophenol	U		0.00593	0.0100	1	10/19/2022 23:44	WG1943567
2-Nitrophenol	U		0.000117	0.0100	1	10/19/2022 23:44	WG1943567
2-Nitroaniline	U		0.000102	0.0100	1	10/19/2022 23:44	WG1943567
2-Methylphenol	U		0.0000929	0.0100	1	10/19/2022 23:44	WG1943567
3&4-Methyl Phenol	U		0.000168	0.0100	1	10/19/2022 23:44	WG1943567
3-Nitroaniline	U		0.0000869	0.0100	1	10/19/2022 23:44	WG1943567
4-Chloroaniline	U		0.000234	0.0100	1	10/19/2022 23:44	WG1943567
4-Nitroaniline	U		0.0000910	0.0100	1	10/19/2022 23:44	WG1943567
4-Nitrophenol	U		0.000143	0.0100	1	10/19/2022 23:44	WG1943567

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-01
Collected date/time: 10/11/22 11:15
L1546101

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Pentachlorophenol	U		0.000313	0.0100	1	10/19/2022 23:44	WG1943567
Phenol	U		0.00433	0.0100	1	10/19/2022 23:44	WG1943567
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	10/19/2022 23:44	WG1943567
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	10/19/2022 23:44	WG1943567
(S) 2-Fluorophenol	*28.0*			*10.0-120*		*10/19/2022 23:44*	WG1943567
(S) Phenol-d5	*19.4*			*10.0-120*		*10/19/2022 23:44*	WG1943567
(S) Nitrobenzene-d5	*52.8*			*10.0-127*		*10/19/2022 23:44*	WG1943567
(S) 2-Fluorobiphenyl	*50.0*			*10.0-130*		*10/19/2022 23:44*	WG1943567
(S) 2,4,6-Tribromophenol	*76.0*			*10.0-155*		*10/19/2022 23:44*	WG1943567
(S) p-Terphenyl-d14	*64.0*			*10.0-128*		*10/19/2022 23:44*	WG1943567

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1790		50.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:41	WG1942632

Sample Narrative:

L1546101-91 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	364		1.90	5.00	5	10/17/2022 22:57	WG1942495
Fluoride	1.22		0.0640	0.150	1	10/17/2022 22:44	WG1942495
Sulfate	426		2.97	25.0	5	10/17/2022 22:57	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0825		0.000180	0.00200	1	10/30/2022 14:50	WG1947710
Barium	0.0635		0.000381	0.00200	1	10/30/2022 14:50	WG1947710
Calcium	300		0.0936	1.00	1	10/30/2022 14:50	WG1947710
Chromium	0.00236		0.00124	0.00200	1	10/30/2022 14:50	WG1947710
Iron	U		0.0281	0.100	1	10/30/2022 14:50	WG1947710
Lead	U		0.000849	0.00200	1	10/30/2022 14:50	WG1947710
Manganese	0.0115		0.000704	0.00500	1	10/30/2022 14:50	WG1947710
Potassium	1.06	J	0.108	2.00	1	10/30/2022 14:50	WG1947710
Selenium	0.000484	J	0.000300	0.00200	1	10/30/2022 14:50	WG1947710
Sodium	236		0.376	2.00	1	10/30/2022 14:50	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	11.5		3.14	10.0	100	10/20/2022 18:46	WG1946136
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/20/2022 18:46*	WG1946136

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2022 05:52	WG1943691
Benzene	1.80		0.00471	0.0500	50	10/17/2022 05:52	WG1943691
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2022 05:52	WG1943691
Bromoform	U	J4	0.00645	0.0500	50	10/17/2022 05:52	WG1943691
Bromomethane	U		0.0303	0.250	50	10/17/2022 05:52	WG1943691
n-Butylbenzene	0.0286	J	0.00785	0.0500	50	10/17/2022 05:52	WG1943691
sec-Butylbenzene	0.0326	J	0.00625	0.0500	50	10/17/2022 05:52	WG1943691
Carbon disulfide	0.00990	J	0.00481	0.0500	50	10/17/2022 05:52	WG1943691
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2022 05:52	WG1943691
Chlorobenzene	U		0.00580	0.0500	50	10/17/2022 05:52	WG1943691
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2022 05:52	WG1943691
Chloroethane	U		0.00960	0.250	50	10/17/2022 05:52	WG1943691
Chloroform	0.00653	J	0.00555	0.250	50	10/17/2022 05:52	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.0480	0.125	50	10/17/2022 05:52	WG1943691
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2022 05:52	WG1943691
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2022 05:52	WG1943691
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2022 05:52	WG1943691
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2022 05:52	WG1943691
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2022 05:52	WG1943691
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2022 05:52	WG1943691
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2022 05:52	WG1943691
cis-1,3-Dichloropropene	U	J4	0.00555	0.0500	50	10/17/2022 05:52	WG1943691
trans-1,3-Dichloropropene	U	J4	0.00590	0.0500	50	10/17/2022 05:52	WG1943691
Ethylbenzene	0.161		0.00685	0.0500	50	10/17/2022 05:52	WG1943691
Isopropylbenzene	0.111		0.00525	0.0500	50	10/17/2022 05:52	WG1943691
p-Isopropyltoluene	U		0.00600	0.0500	50	10/17/2022 05:52	WG1943691
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2022 05:52	WG1943691
2-Hexanone	U		0.0394	0.500	50	10/17/2022 05:52	WG1943691
Methylene Chloride	U		0.0215	0.250	50	10/17/2022 05:52	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2022 05:52	WG1943691
Methyl tert-butyl ether	0.102		0.00505	0.0500	50	10/17/2022 05:52	WG1943691
Naphthalene	0.113	J	0.0500	0.250	50	10/17/2022 05:52	WG1943691
n-Propylbenzene	0.192		0.00497	0.0500	50	10/17/2022 05:52	WG1943691
Styrene	U		0.00590	0.0500	50	10/17/2022 05:52	WG1943691
tert-Butyl alcohol	U		0.203	0.250	50	10/17/2022 05:52	WG1943691
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2022 05:52	WG1943691
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2022 05:52	WG1943691
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2022 05:52	WG1943691
Toluene	U		0.0139	0.0500	50	10/17/2022 05:52	WG1943691
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2022 05:52	WG1943691
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2022 05:52	WG1943691
Trichloroethene	U		0.00950	0.0500	50	10/17/2022 05:52	WG1943691
1,2,4-Trimethylbenzene	0.520		0.0161	0.0500	50	10/17/2022 05:52	WG1943691
1,3,5-Trimethylbenzene	0.0668		0.00520	0.0500	50	10/17/2022 05:52	WG1943691
Vinyl chloride	U	J3	0.0117	0.0500	50	10/17/2022 05:52	WG1943691
o-Xylene	0.00957	J	0.00870	0.0500	50	10/17/2022 05:52	WG1943691
m&p-Xylene	0.968		0.0215	0.100	50	10/17/2022 05:52	WG1943691
Xylenes, Total	0.978		0.00870	0.150	50	10/17/2022 05:52	WG1943691
(S) Toluene-d8	*99.7*			*80.0-120*		*10/17/2022 05:52*	WG1943691
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*10/17/2022 05:52*	WG1943691
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*10/17/2022 05:52*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.71		0.0247	0.100	1	10/21/2022 06:07	WG1945863
(S) o-Terphenyl	*83.7*			*31.0-160*		*10/21/2022 06:07*	WG1945863

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	0.000977	J	0.0000886	0.00100	1	10/20/2022 00:48	WG1943567
Acenaphthylene	U		0.0000921	0.00100	1	10/20/2022 00:48	WG1943567
Acetophenone	U		0.000208	0.0100	1	10/20/2022 00:48	WG1943567
Anthracene	U		0.0000804	0.00100	1	10/20/2022 00:48	WG1943567
Atrazine	U		0.000255	0.0100	1	10/20/2022 00:48	WG1943567
Benzo(a)anthracene	U		0.000199	0.00100	1	10/20/2022 00:48	WG1943567
Benzaldehyde	U		0.00169	0.0100	1	10/20/2022 00:48	WG1943567

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	U		0.000130	0.00100	1	10/20/2022 00:48	WG1943567
Benzo(k)fluoranthene	U		0.000120	0.00100	1	10/20/2022 00:48	WG1943567
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	10/20/2022 00:48	WG1943567
Benzo(a)pyrene	U		0.0000381	0.000200	1	10/20/2022 00:48	WG1943567
Biphenyl	0.00237	J	0.000790	0.0100	1	10/20/2022 00:48	WG1943567
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	10/20/2022 00:48	WG1943567
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	10/20/2022 00:48	WG1943567
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	10/20/2022 00:48	WG1943567
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	10/20/2022 00:48	WG1943567
2-Chloronaphthalene	U		0.0000648	0.00100	1	10/20/2022 00:48	WG1943567
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	10/20/2022 00:48	WG1943567
Caprolactam	U		0.000309	0.0100	1	10/20/2022 00:48	WG1943567
Carbazole	0.00348	J	0.000111	0.0100	1	10/20/2022 00:48	WG1943567
Chrysene	U		0.000130	0.00100	1	10/20/2022 00:48	WG1943567
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	10/20/2022 00:48	WG1943567
Dibenzofuran	0.00334	J	0.0000970	0.0100	1	10/20/2022 00:48	WG1943567
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	10/20/2022 00:48	WG1943567
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	10/20/2022 00:48	WG1943567
2,6-Dinitrotoluene	U		0.000250	0.0100	1	10/20/2022 00:48	WG1943567
Fluoranthene	U		0.000102	0.00100	1	10/20/2022 00:48	WG1943567
Fluorene	0.00238		0.0000844	0.00100	1	10/20/2022 00:48	WG1943567
Hexachlorobenzene	U		0.0000755	0.00100	1	10/20/2022 00:48	WG1943567
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	10/20/2022 00:48	WG1943567
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	10/20/2022 00:48	WG1943567
Hexachloroethane	U		0.000127	0.0100	1	10/20/2022 00:48	WG1943567
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	10/20/2022 00:48	WG1943567
Isophorone	U		0.000143	0.0100	1	10/20/2022 00:48	WG1943567
1-Methylnaphthalene	0.0506		0.0000790	0.00100	1	10/20/2022 00:48	WG1943567
2-Methylnaphthalene	0.0124		0.000117	0.00100	1	10/20/2022 00:48	WG1943567
Naphthalene	0.0534		0.000159	0.00100	1	10/20/2022 00:48	WG1943567
Nitrobenzene	U		0.000297	0.0100	1	10/20/2022 00:48	WG1943567
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	10/20/2022 00:48	WG1943567
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	10/20/2022 00:48	WG1943567
Phenanthrene	0.00227		0.000112	0.00100	1	10/20/2022 00:48	WG1943567
Benzylbutyl phthalate	U		0.000765	0.00300	1	10/20/2022 00:48	WG1943567
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	10/20/2022 00:48	WG1943567
Di-n-butyl phthalate	U		0.000453	0.00300	1	10/20/2022 00:48	WG1943567
Diethyl phthalate	U		0.000287	0.00300	1	10/20/2022 00:48	WG1943567
Dimethyl phthalate	U		0.000260	0.00300	1	10/20/2022 00:48	WG1943567
Di-n-octyl phthalate	U		0.000932	0.00300	1	10/20/2022 00:48	WG1943567
Pyrene	U		0.000107	0.00100	1	10/20/2022 00:48	WG1943567
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	10/20/2022 00:48	WG1943567
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	10/20/2022 00:48	WG1943567
2-Chlorophenol	U		0.000133	0.0100	1	10/20/2022 00:48	WG1943567
2,4-Dichlorophenol	U		0.000102	0.0100	1	10/20/2022 00:48	WG1943567
2,4-Dimethylphenol	0.0309		0.0000636	0.0100	1	10/20/2022 00:48	WG1943567
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	10/20/2022 00:48	WG1943567
2,4-Dinitrophenol	U		0.00593	0.0100	1	10/20/2022 00:48	WG1943567
2-Nitrophenol	U		0.000117	0.0100	1	10/20/2022 00:48	WG1943567
2-Nitroaniline	U		0.000102	0.0100	1	10/20/2022 00:48	WG1943567
2-Methylphenol	0.00102	J	0.0000929	0.0100	1	10/20/2022 00:48	WG1943567
3&4-Methyl Phenol	0.000474	J	0.000168	0.0100	1	10/20/2022 00:48	WG1943567
3-Nitroaniline	U		0.0000869	0.0100	1	10/20/2022 00:48	WG1943567
4-Chloroaniline	U		0.000234	0.0100	1	10/20/2022 00:48	WG1943567
4-Nitroaniline	U		0.0000910	0.0100	1	10/20/2022 00:48	WG1943567
4-Nitrophenol	U		0.000143	0.0100	1	10/20/2022 00:48	WG1943567

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Pentachlorophenol	U		0.000313	0.0100	1	10/20/2022 00:48	WG1943567
Phenol	U		0.00433	0.0100	1	10/20/2022 00:48	WG1943567
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	10/20/2022 00:48	WG1943567
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	10/20/2022 00:48	WG1943567
(S) 2-Fluorophenol	*21.2*			*10.0-120*		*10/20/2022 00:48*	WG1943567
(S) Phenol-d5	*15.6*			*10.0-120*		*10/20/2022 00:48*	WG1943567
(S) Nitrobenzene-d5	*52.2*			*10.0-127*		*10/20/2022 00:48*	WG1943567
(S) 2-Fluorobiphenyl	*44.5*			*10.0-130*		*10/20/2022 00:48*	WG1943567
(S) 2,4,6-Tribromophenol	*64.7*			*10.0-155*		*10/20/2022 00:48*	WG1943567
(S) p-Terphenyl-d14	*45.8*			*10.0-128*		*10/20/2022 00:48*	WG1943567

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2570		50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/19/2022 16:48	WG1942632

Sample Narrative:

L1546101-93 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	209		7.58	20.0	20	10/17/2022 23:48	WG1942495
Fluoride	1.05		0.0640	0.150	1	10/17/2022 23:35	WG1942495
Sulfate	1290		11.9	100	20	10/17/2022 23:48	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00574		0.000180	0.00200	1	10/30/2022 14:54	WG1947710
Barium	0.0200		0.000381	0.00200	1	10/30/2022 14:54	WG1947710
Calcium	275		0.0936	1.00	1	10/30/2022 14:54	WG1947710
Chromium	0.303		0.00124	0.00200	1	10/30/2022 14:54	WG1947710
Iron	0.322		0.0281	0.100	1	10/30/2022 14:54	WG1947710
Lead	0.000873	J	0.000849	0.00200	1	10/30/2022 14:54	WG1947710
Manganese	1.03		0.000704	0.00500	1	10/30/2022 14:54	WG1947710
Potassium	0.570	J	0.108	2.00	1	10/30/2022 14:54	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 14:54	WG1947710
Sodium	382		0.376	2.00	1	10/30/2022 14:54	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.479		0.0314	0.100	1	10/20/2022 14:13	WG1946155
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*78.0-120*		*10/20/2022 14:13*	WG1946155

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0170	J	0.0113	0.0500	1	10/17/2022 04:07	WG1943691
Benzene	0.000469	J	0.0000941	0.00100	1	10/17/2022 04:07	WG1943691
Bromodichloromethane	0.000146	J	0.000136	0.00100	1	10/17/2022 04:07	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 04:07	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 04:07	WG1943691
n-Butylbenzene	0.000644	J	0.000157	0.00100	1	10/17/2022 04:07	WG1943691
sec-Butylbenzene	0.00928		0.000125	0.00100	1	10/17/2022 04:07	WG1943691
Carbon disulfide	0.000652	J	0.0000962	0.00100	1	10/17/2022 04:07	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 04:07	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 04:07	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 04:07	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 04:07	WG1943691
Chloroform	0.000308	J	0.000111	0.00500	1	10/17/2022 04:07	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/17/2022 04:07	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 04:07	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 04:07	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 04:07	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 04:07	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 04:07	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 04:07	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 04:07	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 04:07	WG1943691
trans-1,3-Dichloropropene	0.000393	J J4	0.000118	0.00100	1	10/17/2022 04:07	WG1943691
Ethylbenzene	0.000244	J	0.000137	0.00100	1	10/17/2022 04:07	WG1943691
Isopropylbenzene	0.0132		0.000105	0.00100	1	10/17/2022 04:07	WG1943691
p-Isopropyltoluene	0.000121	J	0.000120	0.00100	1	10/17/2022 04:07	WG1943691
2-Butanone (MEK)	0.0143		0.00119	0.0100	1	10/17/2022 04:07	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 04:07	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 04:07	WG1943691
4-Methyl-2-pentanone (MIBK)	0.00806	J	0.000478	0.0100	1	10/17/2022 04:07	WG1943691
Methyl tert-butyl ether	0.00541		0.000101	0.00100	1	10/17/2022 04:07	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 04:07	WG1943691
n-Propylbenzene	0.00232		0.0000993	0.00100	1	10/17/2022 04:07	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 04:07	WG1943691
tert-Butyl alcohol	0.0702		0.00406	0.00500	1	10/17/2022 04:07	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 04:07	WG1943691
1,1,2,2-Tetrachloroethane	0.000934	J	0.000133	0.00100	1	10/17/2022 04:07	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 04:07	WG1943691
Toluene	0.000573	J	0.000278	0.00100	1	10/17/2022 04:07	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 04:07	WG1943691
1,1,2-Trichloroethane	0.00277		0.000158	0.00100	1	10/17/2022 04:07	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 04:07	WG1943691
1,2,4-Trimethylbenzene	0.00131		0.000322	0.00100	1	10/17/2022 04:07	WG1943691
1,3,5-Trimethylbenzene	0.000124	J	0.000104	0.00100	1	10/17/2022 04:07	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 04:07	WG1943691
o-Xylene	0.000188	J	0.000174	0.00100	1	10/17/2022 04:07	WG1943691
m&p-Xylene	0.00171	J	0.000430	0.00200	1	10/17/2022 04:07	WG1943691
Xylenes, Total	0.00190	J	0.000174	0.00300	1	10/17/2022 04:07	WG1943691
(S) Toluene-d8	*93.3*			*80.0-120*		*10/17/2022 04:07*	WG1943691
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*10/17/2022 04:07*	WG1943691
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*10/17/2022 04:07*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.45		0.0247	0.100	1	10/21/2022 06:59	WG1945863
(S) o-Terphenyl	*80.0*			*31.0-160*		*10/21/2022 06:59*	WG1945863

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2190		50.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:49	WG1942632

Sample Narrative:

L1546101-94 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	90.4		0.379	1.00	1	10/18/2022 00:01	WG1942495
Fluoride	2.14		0.0640	0.150	1	10/18/2022 00:01	WG1942495
Sulfate	1410		29.7	250	50	10/18/2022 00:39	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00132	J	0.000180	0.00200	1	10/30/2022 14:57	WG1947710
Barium	0.0172		0.000381	0.00200	1	10/30/2022 14:57	WG1947710
Calcium	536		0.0936	1.00	1	10/30/2022 14:57	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 14:57	WG1947710
Iron	U		0.0281	0.100	1	10/30/2022 14:57	WG1947710
Lead	0.00659		0.000849	0.00200	1	10/30/2022 14:57	WG1947710
Manganese	0.0165		0.000704	0.00500	1	10/30/2022 14:57	WG1947710
Potassium	0.323	J	0.108	2.00	1	10/30/2022 14:57	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 14:57	WG1947710
Sodium	145		0.376	2.00	1	10/30/2022 14:57	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	7.46		0.628	2.00	20	10/20/2022 17:59	WG1946155
(S) a,a,a-Trifluorotoluene(FID)	*89.3*			*78.0-120*		*10/20/2022 17:59*	WG1946155

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/17/2022 06:34	WG1943691
Benzene	0.674		0.00471	0.0500	50	10/17/2022 06:34	WG1943691
Bromodichloromethane	U		0.00680	0.0500	50	10/17/2022 06:34	WG1943691
Bromoform	U	J4	0.00645	0.0500	50	10/17/2022 06:34	WG1943691
Bromomethane	U		0.0303	0.250	50	10/17/2022 06:34	WG1943691
n-Butylbenzene	0.0240	J	0.00785	0.0500	50	10/17/2022 06:34	WG1943691
sec-Butylbenzene	0.0245	J	0.00625	0.0500	50	10/17/2022 06:34	WG1943691
Carbon disulfide	0.0221	J	0.00481	0.0500	50	10/17/2022 06:34	WG1943691
Carbon tetrachloride	U		0.00640	0.0500	50	10/17/2022 06:34	WG1943691
Chlorobenzene	U		0.00580	0.0500	50	10/17/2022 06:34	WG1943691
Chlorodibromomethane	U		0.00700	0.0500	50	10/17/2022 06:34	WG1943691
Chloroethane	U		0.00960	0.250	50	10/17/2022 06:34	WG1943691
Chloroform	0.0285	J	0.00555	0.250	50	10/17/2022 06:34	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.0480	0.125	50	10/17/2022 06:34	WG1943691
1,2-Dibromoethane	U		0.00630	0.0500	50	10/17/2022 06:34	WG1943691
1,1-Dichloroethane	U		0.00500	0.0500	50	10/17/2022 06:34	WG1943691
1,2-Dichloroethane	U		0.00409	0.0500	50	10/17/2022 06:34	WG1943691
1,1-Dichloroethene	U		0.00940	0.0500	50	10/17/2022 06:34	WG1943691
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/17/2022 06:34	WG1943691
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/17/2022 06:34	WG1943691
1,2-Dichloropropane	U		0.00745	0.0500	50	10/17/2022 06:34	WG1943691
cis-1,3-Dichloropropene	U	J4	0.00555	0.0500	50	10/17/2022 06:34	WG1943691
trans-1,3-Dichloropropene	U	J4	0.00590	0.0500	50	10/17/2022 06:34	WG1943691
Ethylbenzene	0.510		0.00685	0.0500	50	10/17/2022 06:34	WG1943691
Isopropylbenzene	0.0859		0.00525	0.0500	50	10/17/2022 06:34	WG1943691
p-Isopropyltoluene	0.0194	J	0.00600	0.0500	50	10/17/2022 06:34	WG1943691
2-Butanone (MEK)	U		0.0595	0.500	50	10/17/2022 06:34	WG1943691
2-Hexanone	U		0.0394	0.500	50	10/17/2022 06:34	WG1943691
Methylene Chloride	U		0.0215	0.250	50	10/17/2022 06:34	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/17/2022 06:34	WG1943691
Methyl tert-butyl ether	U		0.00505	0.0500	50	10/17/2022 06:34	WG1943691
Naphthalene	0.271		0.0500	0.250	50	10/17/2022 06:34	WG1943691
n-Propylbenzene	0.117		0.00497	0.0500	50	10/17/2022 06:34	WG1943691
Styrene	U		0.00590	0.0500	50	10/17/2022 06:34	WG1943691
tert-Butyl alcohol	U		0.203	0.250	50	10/17/2022 06:34	WG1943691
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/17/2022 06:34	WG1943691
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/17/2022 06:34	WG1943691
Tetrachloroethene	U		0.0150	0.0500	50	10/17/2022 06:34	WG1943691
Toluene	0.181		0.0139	0.0500	50	10/17/2022 06:34	WG1943691
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/17/2022 06:34	WG1943691
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/17/2022 06:34	WG1943691
Trichloroethene	U		0.00950	0.0500	50	10/17/2022 06:34	WG1943691
1,2,4-Trimethylbenzene	0.469		0.0161	0.0500	50	10/17/2022 06:34	WG1943691
1,3,5-Trimethylbenzene	0.102		0.00520	0.0500	50	10/17/2022 06:34	WG1943691
Vinyl chloride	U	J3	0.0117	0.0500	50	10/17/2022 06:34	WG1943691
o-Xylene	0.0261	J	0.00870	0.0500	50	10/17/2022 06:34	WG1943691
m&p-Xylene	1.42		0.0215	0.100	50	10/17/2022 06:34	WG1943691
Xylenes, Total	1.45		0.00870	0.150	50	10/17/2022 06:34	WG1943691
(S) Toluene-d8	*98.5*			*80.0-120*		*10/17/2022 06:34*	WG1943691
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*10/17/2022 06:34*	WG1943691
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*10/17/2022 06:34*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.13		0.0247	0.100	1	10/21/2022 07:26	WG1945863
(S) o-Terphenyl	*96.8*			*31.0-160*		*10/21/2022 07:26*	WG1945863

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1410		50.0	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 16:50	WG1942632

Sample Narrative:

L1546101-95 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.0450	0.125	25	10/23/2022 07:21	WG1946914

Sample Narrative:

L1546101-95 WG1946914: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	233		1.90	5.00	5	10/18/2022 01:05	WG1942495
Fluoride	1.47		0.0640	0.150	1	10/18/2022 00:52	WG1942495
Sulfate	179		0.594	5.00	1	10/18/2022 00:52	WG1942495

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	10/26/2022 13:34	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.728		0.0200	0.200	1	10/27/2022 09:19	WG1947665

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00430		0.000180	0.00200	1	10/30/2022 15:00	WG1947710
Barium	0.0665		0.000381	0.00200	1	10/30/2022 15:00	WG1947710
Cadmium	U		0.000150	0.00100	1	10/30/2022 15:00	WG1947710
Calcium	146		0.0936	1.00	1	10/30/2022 15:00	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 15:00	WG1947710
Cobalt	U		0.0000596	0.00200	1	10/30/2022 15:00	WG1947710
Iron	0.0800	J	0.0281	0.100	1	10/30/2022 15:00	WG1947710
Lead	0.00135	J	0.000849	0.00200	1	10/30/2022 15:00	WG1947710
Manganese	0.173		0.000704	0.00500	1	10/30/2022 15:00	WG1947710
Nickel	0.00935		0.000816	0.00200	1	10/30/2022 15:00	WG1947710
Potassium	1.93	J	0.108	2.00	1	10/30/2022 15:00	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 15:00	WG1947710
Sodium	277		0.376	2.00	1	10/30/2022 15:00	WG1947710
Uranium	U		0.0000789	0.00100	1	10/30/2022 15:00	WG1947710
Vanadium	0.000728	J	0.000664	0.00500	1	10/30/2022 15:00	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.84		0.157	0.500	5	10/20/2022 18:20	WG1946155
(S) a,a,a-Trifluorotoluene(FID)	*89.6*			*78.0-120*		*10/20/2022 18:20*	WG1946155

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0728		0.0113	0.0500	1	10/17/2022 07:16	WG1943691
Benzene	0.278		0.000941	0.0100	10	10/21/2022 00:51	WG1946137
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 07:16	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 07:16	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 07:16	WG1943691
n-Butylbenzene	0.00363		0.000157	0.00100	1	10/17/2022 07:16	WG1943691
sec-Butylbenzene	0.00621		0.000125	0.00100	1	10/17/2022 07:16	WG1943691
Carbon disulfide	0.00227		0.0000962	0.00100	1	10/17/2022 07:16	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 07:16	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 07:16	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 07:16	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 07:16	WG1943691
Chloroform	0.0131		0.000111	0.00500	1	10/17/2022 07:16	WG1943691
Chloromethane	0.00302		0.000960	0.00250	1	10/17/2022 07:16	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 07:16	WG1943691
1,1-Dichloroethane	0.00191		0.000100	0.00100	1	10/17/2022 07:16	WG1943691
1,2-Dichloroethane	0.000105	J	0.0000819	0.00100	1	10/17/2022 07:16	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 07:16	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 07:16	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 07:16	WG1943691
1,2-Dichloropropane	0.000364	J	0.000149	0.00100	1	10/17/2022 07:16	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 07:16	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 07:16	WG1943691
Ethylbenzene	0.00844		0.000137	0.00100	1	10/17/2022 07:16	WG1943691
Isopropylbenzene	0.0378		0.000105	0.00100	1	10/17/2022 07:16	WG1943691
p-Isopropyltoluene	0.00251		0.000120	0.00100	1	10/17/2022 07:16	WG1943691
2-Butanone (MEK)	0.00693	J	0.00119	0.0100	1	10/17/2022 07:16	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 07:16	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 07:16	WG1943691
4-Methyl-2-pentanone (MIBK)	0.00252	J	0.000478	0.0100	1	10/17/2022 07:16	WG1943691
Methyl tert-butyl ether	0.168		0.000101	0.00100	1	10/17/2022 07:16	WG1943691
Naphthalene	0.00786		0.00100	0.00500	1	10/17/2022 07:16	WG1943691
n-Propylbenzene	0.0451		0.0000993	0.00100	1	10/17/2022 07:16	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 07:16	WG1943691
tert-Butyl alcohol	0.0443		0.00406	0.00500	1	10/17/2022 07:16	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 07:16	WG1943691
1,1,2,2-Tetrachloroethane	0.00138		0.000133	0.00100	1	10/17/2022 07:16	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 07:16	WG1943691
Toluene	0.00564		0.000278	0.00100	1	10/17/2022 07:16	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 07:16	WG1943691
1,1,2-Trichloroethane	0.00140		0.000158	0.00100	1	10/17/2022 07:16	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 07:16	WG1943691
1,2,4-Trimethylbenzene	0.0719		0.000322	0.00100	1	10/17/2022 07:16	WG1943691
1,3,5-Trimethylbenzene	0.00818		0.000104	0.00100	1	10/17/2022 07:16	WG1943691
Vinyl chloride	0.00213	J3	0.000234	0.00100	1	10/17/2022 07:16	WG1943691
o-Xylene	0.00131		0.000174	0.00100	1	10/17/2022 07:16	WG1943691
m&p-Xylene	0.107		0.000430	0.00200	1	10/17/2022 07:16	WG1943691
Xylenes, Total	0.108		0.000174	0.00300	1	10/17/2022 07:16	WG1943691
(S) Toluene-d8	*95.1*			*80.0-120*		*10/17/2022 07:16*	WG1943691

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Toluene-d8	*102*			*80.0-120*		*10/21/2022 00:51*	WG1946137
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*		*10/17/2022 07:16*	WG1943691
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/21/2022 00:51*	WG1946137
(S) 1,2-Dichloroethane-d4	*84.1*			*70.0-130*		*10/17/2022 07:16*	WG1943691
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*10/21/2022 00:51*	WG1946137

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	4.55		0.0247	0.100	1	10/21/2022 07:52	WG1945863
(S) o-Terphenyl	*94.2*			*31.0-160*		*10/21/2022 07:52*	WG1945863

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3400		100	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 16:51	WG1942632

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:22	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	291		3.79	10.0	10	10/18/2022 01:18	WG1942495
Fluoride	1.15	J	0.640	1.50	10	10/18/2022 01:18	WG1942495
Sulfate	2150		59.4	500	100	10/18/2022 01:31	WG1942495

Sample Narrative:

L1546101-96 WG1942495: DILUTION DUE TO MATRIX

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	10/26/2022 13:36	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.642		0.0200	0.200	1	10/24/2022 18:10	WG1947652

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00693		0.000180	0.00200	1	10/30/2022 15:03	WG1947710
Barium	0.0154		0.000381	0.00200	1	10/30/2022 15:03	WG1947710
Cadmium	U		0.000150	0.00100	1	10/30/2022 15:03	WG1947710
Calcium	511		0.0936	1.00	1	10/30/2022 15:03	WG1947710
Chromium	0.00136	J	0.00124	0.00200	1	10/30/2022 15:03	WG1947710
Cobalt	0.0000902	J	0.0000596	0.00200	1	10/30/2022 15:03	WG1947710
Iron	3.87		0.0281	0.100	1	10/30/2022 15:03	WG1947710
Lead	0.00706		0.000849	0.00200	1	10/30/2022 15:03	WG1947710
Manganese	0.633		0.000704	0.00500	1	10/30/2022 15:03	WG1947710
Nickel	0.00565		0.000816	0.00200	1	10/30/2022 15:03	WG1947710
Potassium	4.03		0.108	2.00	1	10/30/2022 15:03	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 15:03	WG1947710
Sodium	327		0.376	2.00	1	10/30/2022 15:03	WG1947710
Uranium	0.000467	J	0.0000789	0.00100	1	10/30/2022 15:03	WG1947710
Vanadium	0.00119	J	0.000664	0.00500	1	10/30/2022 15:03	WG1947710

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 04:28	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 04:28	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 04:28	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 04:28	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 04:28	WG1943691
n-Butylbenzene	0.000667	J	0.000157	0.00100	1	10/17/2022 04:28	WG1943691
sec-Butylbenzene	0.000450	J	0.000125	0.00100	1	10/17/2022 04:28	WG1943691
Carbon disulfide	0.000142	J	0.0000962	0.00100	1	10/17/2022 04:28	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 04:28	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 04:28	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 04:28	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 04:28	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 04:28	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 04:28	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 04:28	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 04:28	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 04:28	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 04:28	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 04:28	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 04:28	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 04:28	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 04:28	WG1943691
trans-1,3-Dichloropropene	0.000268	J J4	0.000118	0.00100	1	10/17/2022 04:28	WG1943691
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 04:28	WG1943691
Isopropylbenzene	0.000121	J	0.000105	0.00100	1	10/17/2022 04:28	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 04:28	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 04:28	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 04:28	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 04:28	WG1943691
4-Methyl-2-pentanone (MIBK)	0.00483	J	0.000478	0.0100	1	10/17/2022 04:28	WG1943691
Methyl tert-butyl ether	0.00549		0.000101	0.00100	1	10/17/2022 04:28	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 04:28	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 04:28	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 04:28	WG1943691
tert-Butyl alcohol	0.0176		0.00406	0.00500	1	10/17/2022 04:28	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 04:28	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 04:28	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 04:28	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 04:28	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 04:28	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 04:28	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 04:28	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 04:28	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 04:28	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 04:28	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 04:28	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 04:28	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 04:28	WG1943691
(S) Toluene-d8	*97.8*			*80.0-120*		*10/17/2022 04:28*	WG1943691
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*10/17/2022 04:28*	WG1943691
(S) 1,2-Dichloroethane-d4	*86.5*			*70.0-130*		*10/17/2022 04:28*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.20		0.0247	0.100	1	10/21/2022 08:18	WG1945863

MW-43
Collected date/time: 10/11/22 17:15
L1546101

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*88.4*			*31.0-160*		*10/21/2022 08:18*	WG1945863

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3130		100	1	10/18/2022 17:21	WG1944771

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 16:53	WG1942632

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	631		3.79	10.0	10	10/18/2022 01:43	WG1942495
Fluoride	1.62		0.640	1.50	10	10/18/2022 01:43	WG1942495
Sulfate	1670		5.94	50.0	10	10/18/2022 01:43	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.103		0.000180	0.00200	1	10/30/2022 15:06	WG1947710
Barium	0.0227		0.000381	0.00200	1	10/30/2022 15:06	WG1947710
Calcium	461		0.0936	1.00	1	10/30/2022 15:06	WG1947710
Chromium	U		0.00124	0.00200	1	10/30/2022 15:06	WG1947710
Iron	12.9		0.0281	0.100	1	10/30/2022 15:06	WG1947710
Lead	0.00265		0.000849	0.00200	1	10/30/2022 15:06	WG1947710
Manganese	1.16		0.000704	0.00500	1	10/30/2022 15:06	WG1947710
Potassium	2.52		0.108	2.00	1	10/30/2022 15:06	WG1947710
Selenium	0.00301		0.000300	0.00200	1	10/30/2022 15:06	WG1947710
Sodium	358		0.376	2.00	1	10/30/2022 15:06	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0889	J	0.0314	0.100	1	10/20/2022 14:34	WG1946155
(S) a,a,a-Trifluorotoluene(FID)	*86.1*			*78.0-120*		*10/20/2022 14:34*	WG1946155

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 04:49	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 04:49	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 04:49	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 04:49	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 04:49	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 04:49	WG1943691
sec-Butylbenzene	0.000347	J	0.000125	0.00100	1	10/17/2022 04:49	WG1943691
Carbon disulfide	0.000178	J	0.0000962	0.00100	1	10/17/2022 04:49	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 04:49	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 04:49	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 04:49	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 04:49	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 04:49	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 04:49	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 04:49	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 04:49	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	0.000205	J	0.0000819	0.00100	1	10/17/2022 04:49	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 04:49	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 04:49	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 04:49	WG1943691
1,2-Dichloropropane	0.000511	J	0.000149	0.00100	1	10/17/2022 04:49	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 04:49	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 04:49	WG1943691
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 04:49	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 04:49	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 04:49	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 04:49	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 04:49	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 04:49	WG1943691
4-Methyl-2-pentanone (MIBK)	0.00136	J	0.000478	0.0100	1	10/17/2022 04:49	WG1943691
Methyl tert-butyl ether	0.0587		0.000101	0.00100	1	10/17/2022 04:49	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 04:49	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 04:49	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 04:49	WG1943691
tert-Butyl alcohol	0.0155		0.00406	0.00500	1	10/17/2022 04:49	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 04:49	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 04:49	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 04:49	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 04:49	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 04:49	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 04:49	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 04:49	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 04:49	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 04:49	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 04:49	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 04:49	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 04:49	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 04:49	WG1943691
(S) Toluene-d8	*98.1*			*80.0-120*		*10/17/2022 04:49*	WG1943691
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*10/17/2022 04:49*	WG1943691
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*10/17/2022 04:49*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.28		0.0247	0.100	1	10/21/2022 08:44	WG1945863
(S) o-Terphenyl	*96.8*			*31.0-160*		*10/21/2022 08:44*	WG1945863

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2530		50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	10/19/2022 16:54	WG1942632

Sample Narrative:

L1546101-98 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	204		7.58	20.0	20	10/18/2022 02:22	WG1942495
Fluoride	1.03		0.0640	0.150	1	10/18/2022 02:09	WG1942495
Sulfate	1290		11.9	100	20	10/18/2022 02:22	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00540		0.000180	0.00200	1	10/30/2022 15:16	WG1947710
Barium	0.0206		0.000381	0.00200	1	10/30/2022 15:16	WG1947710
Calcium	282		0.0936	1.00	1	10/30/2022 15:16	WG1947710
Chromium	0.191		0.00124	0.00200	1	10/30/2022 15:16	WG1947710
Iron	0.223		0.0281	0.100	1	10/30/2022 15:16	WG1947710
Lead	0.00113	J	0.000849	0.00200	1	10/30/2022 15:16	WG1947710
Manganese	1.01		0.000704	0.00500	1	10/30/2022 15:16	WG1947710
Potassium	0.580	J	0.108	2.00	1	10/30/2022 15:16	WG1947710
Selenium	0.000321	J	0.000300	0.00200	1	10/30/2022 15:16	WG1947710
Sodium	385		0.376	2.00	1	10/30/2022 15:16	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.512		0.0314	0.100	1	10/20/2022 14:56	WG1946155
(S) a,a,a-Trifluorotoluene(FID)	*87.4*			*78.0-120*		*10/20/2022 14:56*	WG1946155

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0150	J	0.0113	0.0500	1	10/17/2022 07:36	WG1943691
Benzene	0.000541	J	0.0000941	0.00100	1	10/17/2022 07:36	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 07:36	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 07:36	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 07:36	WG1943691
n-Butylbenzene	0.000678	J	0.000157	0.00100	1	10/17/2022 07:36	WG1943691
sec-Butylbenzene	0.00930		0.000125	0.00100	1	10/17/2022 07:36	WG1943691
Carbon disulfide	0.000399	J	0.0000962	0.00100	1	10/17/2022 07:36	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 07:36	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 07:36	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 07:36	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 07:36	WG1943691
Chloroform	0.000339	J	0.000111	0.00500	1	10/17/2022 07:36	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/17/2022 07:36	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 07:36	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 07:36	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 07:36	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 07:36	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 07:36	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 07:36	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 07:36	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 07:36	WG1943691
trans-1,3-Dichloropropene	0.000446	J J4	0.000118	0.00100	1	10/17/2022 07:36	WG1943691
Ethylbenzene	0.000224	J	0.000137	0.00100	1	10/17/2022 07:36	WG1943691
Isopropylbenzene	0.0129		0.000105	0.00100	1	10/17/2022 07:36	WG1943691
p-Isopropyltoluene	0.000163	J	0.000120	0.00100	1	10/17/2022 07:36	WG1943691
2-Butanone (MEK)	0.0132		0.00119	0.0100	1	10/17/2022 07:36	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 07:36	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 07:36	WG1943691
4-Methyl-2-pentanone (MIBK)	0.00752	J	0.000478	0.0100	1	10/17/2022 07:36	WG1943691
Methyl tert-butyl ether	0.00515		0.000101	0.00100	1	10/17/2022 07:36	WG1943691
Naphthalene	0.00107	J	0.00100	0.00500	1	10/17/2022 07:36	WG1943691
n-Propylbenzene	0.00235		0.0000993	0.00100	1	10/17/2022 07:36	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 07:36	WG1943691
tert-Butyl alcohol	0.0579		0.00406	0.00500	1	10/17/2022 07:36	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 07:36	WG1943691
1,1,2,2-Tetrachloroethane	0.00102		0.000133	0.00100	1	10/17/2022 07:36	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 07:36	WG1943691
Toluene	0.000466	J	0.000278	0.00100	1	10/17/2022 07:36	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 07:36	WG1943691
1,1,2-Trichloroethane	0.00244		0.000158	0.00100	1	10/17/2022 07:36	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 07:36	WG1943691
1,2,4-Trimethylbenzene	0.00141		0.000322	0.00100	1	10/17/2022 07:36	WG1943691
1,3,5-Trimethylbenzene	0.000120	J	0.000104	0.00100	1	10/17/2022 07:36	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 07:36	WG1943691
o-Xylene	0.000178	J	0.000174	0.00100	1	10/17/2022 07:36	WG1943691
m&p-Xylene	0.00188	J	0.000430	0.00200	1	10/17/2022 07:36	WG1943691
Xylenes, Total	0.00206	J	0.000174	0.00300	1	10/17/2022 07:36	WG1943691
(S) Toluene-d8	*92.4*			*80.0-120*		*10/17/2022 07:36*	WG1943691
(S) 4-Bromofluorobenzene	*90.4*			*77.0-126*		*10/17/2022 07:36*	WG1943691
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*		*10/17/2022 07:36*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.52		0.0247	0.100	1	10/21/2022 09:10	WG1945863
(S) o-Terphenyl	*96.3*			*31.0-160*		*10/21/2022 09:10*	WG1945863

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		50.0	1	10/19/2022 15:41	WG1945238

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 16:55	WG1942632

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/18/2022 02:35	WG1942495
Fluoride	U		0.0640	0.150	1	10/18/2022 02:35	WG1942495
Sulfate	U		0.594	5.00	1	10/18/2022 02:35	WG1942495

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/30/2022 15:19	WG1947710
Barium	0.000837	J	0.000381	0.00200	1	10/30/2022 15:19	WG1947710
Calcium	0.208	J	0.0936	1.00	1	10/30/2022 15:19	WG1947710
Chromium	0.00260		0.00124	0.00200	1	10/30/2022 15:19	WG1947710
Iron	0.0369	J	0.0281	0.100	1	10/30/2022 15:19	WG1947710
Lead	U		0.000849	0.00200	1	10/30/2022 15:19	WG1947710
Manganese	0.00106	J	0.000704	0.00500	1	10/30/2022 15:19	WG1947710
Potassium	U		0.108	2.00	1	10/30/2022 15:19	WG1947710
Selenium	U		0.000300	0.00200	1	10/30/2022 15:19	WG1947710
Sodium	0.481	J	0.376	2.00	1	10/30/2022 15:19	WG1947710

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/20/2022 13:29	WG1946155
(S) a,a,a-Trifluorotoluene(FID)	*89.5*			*78.0-120*		*10/20/2022 13:29*	WG1946155

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 00:58	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 00:58	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 00:58	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 00:58	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 00:58	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 00:58	WG1943691
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2022 00:58	WG1943691
Carbon disulfide	0.00103		0.0000962	0.00100	1	10/17/2022 00:58	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 00:58	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 00:58	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 00:58	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 00:58	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 00:58	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 00:58	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 00:58	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 00:58	WG1943691

EB-TEL-01
Collected date/time: 10/12/22 09:20
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 00:58	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 00:58	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 00:58	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 00:58	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 00:58	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 00:58	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 00:58	WG1943691
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 00:58	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 00:58	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 00:58	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 00:58	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 00:58	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 00:58	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 00:58	WG1943691
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2022 00:58	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 00:58	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 00:58	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 00:58	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 00:58	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 00:58	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 00:58	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 00:58	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 00:58	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 00:58	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 00:58	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 00:58	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 00:58	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 00:58	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 00:58	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 00:58	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 00:58	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 00:58	WG1943691
(S) Toluene-d8	*86.1*			*80.0-120*		*10/17/2022 00:58*	WG1943691
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/17/2022 00:58*	WG1943691
(S) 1,2-Dichloroethane-d4	*135*	J1		*70.0-130*		*10/17/2022 00:58*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0394	J	0.0247	0.100	1	10/21/2022 12:49	WG1945863
(S) o-Terphenyl	*83.7*			*31.0-160*		*10/21/2022 12:49*	WG1945863

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 01:17	WG1943518
Benzene	U		0.0000941	0.00100	1	10/16/2022 01:17	WG1943518
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 01:17	WG1943518
Bromoform	U		0.000129	0.00100	1	10/16/2022 01:17	WG1943518
Bromomethane	U		0.000605	0.00500	1	10/16/2022 01:17	WG1943518
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 01:17	WG1943518
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 01:17	WG1943518
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 01:17	WG1943518
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 01:17	WG1943518
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 01:17	WG1943518
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 01:17	WG1943518
Chloroethane	U		0.000192	0.00500	1	10/16/2022 01:17	WG1943518
Chloroform	U		0.000111	0.00500	1	10/16/2022 01:17	WG1943518
Chloromethane	U		0.000960	0.00250	1	10/16/2022 01:17	WG1943518
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 01:17	WG1943518
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 01:17	WG1943518
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 01:17	WG1943518
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 01:17	WG1943518
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 01:17	WG1943518
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 01:17	WG1943518
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 01:17	WG1943518
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 01:17	WG1943518
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 01:17	WG1943518
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 01:17	WG1943518
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 01:17	WG1943518
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 01:17	WG1943518
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 01:17	WG1943518
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 01:17	WG1943518
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 01:17	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 01:17	WG1943518
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 01:17	WG1943518
Naphthalene	U		0.00100	0.00500	1	10/16/2022 01:17	WG1943518
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 01:17	WG1943518
Styrene	U		0.000118	0.00100	1	10/16/2022 01:17	WG1943518
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 01:17	WG1943518
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 01:17	WG1943518
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 01:17	WG1943518
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 01:17	WG1943518
Toluene	U		0.000278	0.00100	1	10/16/2022 01:17	WG1943518
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 01:17	WG1943518
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 01:17	WG1943518
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 01:17	WG1943518
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 01:17	WG1943518
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 01:17	WG1943518
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 01:17	WG1943518
o-Xylene	U		0.000174	0.00100	1	10/16/2022 01:17	WG1943518
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 01:17	WG1943518
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 01:17	WG1943518
(S) Toluene-d8	*101*			*80.0-120*		*10/16/2022 01:17*	WG1943518
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*10/16/2022 01:17*	WG1943518
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*10/16/2022 01:17*	WG1943518

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 01:37	WG1943518
Benzene	U		0.0000941	0.00100	1	10/16/2022 01:37	WG1943518
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 01:37	WG1943518
Bromoform	U		0.000129	0.00100	1	10/16/2022 01:37	WG1943518
Bromomethane	U		0.000605	0.00500	1	10/16/2022 01:37	WG1943518
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 01:37	WG1943518
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 01:37	WG1943518
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 01:37	WG1943518
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 01:37	WG1943518
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 01:37	WG1943518
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 01:37	WG1943518
Chloroethane	U		0.000192	0.00500	1	10/16/2022 01:37	WG1943518
Chloroform	U		0.000111	0.00500	1	10/16/2022 01:37	WG1943518
Chloromethane	U		0.000960	0.00250	1	10/16/2022 01:37	WG1943518
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 01:37	WG1943518
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 01:37	WG1943518
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 01:37	WG1943518
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 01:37	WG1943518
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 01:37	WG1943518
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 01:37	WG1943518
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 01:37	WG1943518
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 01:37	WG1943518
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 01:37	WG1943518
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 01:37	WG1943518
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 01:37	WG1943518
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 01:37	WG1943518
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 01:37	WG1943518
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 01:37	WG1943518
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 01:37	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 01:37	WG1943518
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 01:37	WG1943518
Naphthalene	U		0.00100	0.00500	1	10/16/2022 01:37	WG1943518
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 01:37	WG1943518
Styrene	U		0.000118	0.00100	1	10/16/2022 01:37	WG1943518
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 01:37	WG1943518
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 01:37	WG1943518
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 01:37	WG1943518
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 01:37	WG1943518
Toluene	U		0.000278	0.00100	1	10/16/2022 01:37	WG1943518
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 01:37	WG1943518
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 01:37	WG1943518
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 01:37	WG1943518
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 01:37	WG1943518
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 01:37	WG1943518
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 01:37	WG1943518
o-Xylene	U		0.000174	0.00100	1	10/16/2022 01:37	WG1943518
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 01:37	WG1943518
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 01:37	WG1943518
(S) Toluene-d8	*96.1*			*80.0-120*		*10/16/2022 01:37*	WG1943518
(S) 4-Bromofluorobenzene	*94.5*			*77.0-126*		*10/16/2022 01:37*	WG1943518
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*10/16/2022 01:37*	WG1943518

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2990		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 17:05	WG1942632

Sample Narrative:

L1546101-102 WG1942632: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	152		3.79	10.0	10	10/15/2022 16:49	WG1942486
Fluoride	0.831	J	0.640	1.50	10	10/15/2022 16:49	WG1942486
Sulfate	1830		5.94	50.0	10	10/15/2022 16:49	WG1942486

Sample Narrative:

L1546101-102 WG1942486: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00563		0.000180	0.00200	1	10/31/2022 15:38	WG1947704
Barium	0.0298		0.000381	0.00200	1	10/31/2022 15:38	WG1947704
Calcium	369		0.0936	1.00	1	10/31/2022 15:38	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:38	WG1947704
Iron	0.302		0.0281	0.100	1	10/31/2022 15:38	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:38	WG1947704
Manganese	1.50		0.000704	0.00500	1	10/31/2022 15:38	WG1947704
Potassium	0.471	J	0.108	2.00	1	10/31/2022 15:38	WG1947704
Selenium	0.145		0.000300	0.00200	1	10/31/2022 15:38	WG1947704
Sodium	244		0.376	2.00	1	10/31/2022 15:38	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.311		0.0314	0.100	1	10/19/2022 00:25	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*10/19/2022 00:25*	WG1944433

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 05:48	WG1943518
Benzene	U		0.0000941	0.00100	1	10/16/2022 05:48	WG1943518
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 05:48	WG1943518
Bromoform	U		0.000129	0.00100	1	10/16/2022 05:48	WG1943518
Bromomethane	U		0.000605	0.00500	1	10/16/2022 05:48	WG1943518
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 05:48	WG1943518
sec-Butylbenzene	0.00521		0.000125	0.00100	1	10/16/2022 05:48	WG1943518
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 05:48	WG1943518
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 05:48	WG1943518
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 05:48	WG1943518

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 05:48	WG1943518
Chloroethane	U		0.000192	0.00500	1	10/16/2022 05:48	WG1943518
Chloroform	U		0.000111	0.00500	1	10/16/2022 05:48	WG1943518
Chloromethane	U		0.000960	0.00250	1	10/16/2022 05:48	WG1943518
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 05:48	WG1943518
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 05:48	WG1943518
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 05:48	WG1943518
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 05:48	WG1943518
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 05:48	WG1943518
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 05:48	WG1943518
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 05:48	WG1943518
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 05:48	WG1943518
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 05:48	WG1943518
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 05:48	WG1943518
Isopropylbenzene	0.00687		0.000105	0.00100	1	10/16/2022 05:48	WG1943518
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 05:48	WG1943518
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 05:48	WG1943518
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 05:48	WG1943518
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 05:48	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 05:48	WG1943518
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 05:48	WG1943518
Naphthalene	U		0.00100	0.00500	1	10/16/2022 05:48	WG1943518
n-Propylbenzene	0.000192	J	0.0000993	0.00100	1	10/16/2022 05:48	WG1943518
Styrene	U		0.000118	0.00100	1	10/16/2022 05:48	WG1943518
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 05:48	WG1943518
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 05:48	WG1943518
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 05:48	WG1943518
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 05:48	WG1943518
Toluene	U		0.000278	0.00100	1	10/16/2022 05:48	WG1943518
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 05:48	WG1943518
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 05:48	WG1943518
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 05:48	WG1943518
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 05:48	WG1943518
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 05:48	WG1943518
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 05:48	WG1943518
o-Xylene	U		0.000174	0.00100	1	10/16/2022 05:48	WG1943518
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 05:48	WG1943518
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 05:48	WG1943518
(S) Toluene-d8	*89.7*			*80.0-120*		*10/16/2022 05:48*	WG1943518
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*10/16/2022 05:48*	WG1943518
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*10/16/2022 05:48*	WG1943518

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.39		0.0247	0.100	1	10/19/2022 18:26	WG1944334
(S) o-Terphenyl	*102*			*31.0-160*		*10/19/2022 18:26*	WG1944334

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5930		100	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	50.8		1.00	2.00	20	10/19/2022 19:27	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	313		3.79	10.0	10	10/15/2022 17:23	WG1942486
Fluoride	3.94		0.640	1.50	10	10/15/2022 17:23	WG1942486
Sulfate	3930		59.4	500	100	10/15/2022 18:14	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00373		0.000180	0.00200	1	10/31/2022 15:41	WG1947704
Barium	0.0151		0.000381	0.00200	1	10/31/2022 15:41	WG1947704
Calcium	506		0.0936	1.00	1	10/31/2022 15:41	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:41	WG1947704
Iron	0.126		0.0281	0.100	1	10/31/2022 15:41	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:41	WG1947704
Manganese	0.507		0.000704	0.00500	1	10/31/2022 15:41	WG1947704
Potassium	3.65		0.108	2.00	1	10/31/2022 15:41	WG1947704
Selenium	0.0551		0.000300	0.00200	1	10/31/2022 15:41	WG1947704
Sodium	574		0.376	2.00	1	10/31/2022 15:41	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 06:09	WG1943518
Benzene	U		0.0000941	0.00100	1	10/16/2022 06:09	WG1943518
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 06:09	WG1943518
Bromoform	U		0.000129	0.00100	1	10/16/2022 06:09	WG1943518
Bromomethane	U		0.000605	0.00500	1	10/16/2022 06:09	WG1943518
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 06:09	WG1943518
sec-Butylbenzene	0.000129	J	0.000125	0.00100	1	10/16/2022 06:09	WG1943518
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 06:09	WG1943518
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 06:09	WG1943518
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 06:09	WG1943518
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 06:09	WG1943518
Chloroethane	U		0.000192	0.00500	1	10/16/2022 06:09	WG1943518
Chloroform	U		0.000111	0.00500	1	10/16/2022 06:09	WG1943518
Chloromethane	U		0.000960	0.00250	1	10/16/2022 06:09	WG1943518
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 06:09	WG1943518
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 06:09	WG1943518
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 06:09	WG1943518
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 06:09	WG1943518
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 06:09	WG1943518
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 06:09	WG1943518
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 06:09	WG1943518
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 06:09	WG1943518
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 06:09	WG1943518

MW-30
Collected date/time: 10/11/22 14:30
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 06:09	WG1943518
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 06:09	WG1943518
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 06:09	WG1943518
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 06:09	WG1943518
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 06:09	WG1943518
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 06:09	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 06:09	WG1943518
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2022 06:09	WG1943518
Naphthalene	0.00114	J	0.00100	0.00500	1	10/16/2022 06:09	WG1943518
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 06:09	WG1943518
Styrene	U		0.000118	0.00100	1	10/16/2022 06:09	WG1943518
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 06:09	WG1943518
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 06:09	WG1943518
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 06:09	WG1943518
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 06:09	WG1943518
Toluene	U		0.000278	0.00100	1	10/16/2022 06:09	WG1943518
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 06:09	WG1943518
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 06:09	WG1943518
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 06:09	WG1943518
1,2,4-Trimethylbenzene	0.000450	J	0.000322	0.00100	1	10/16/2022 06:09	WG1943518
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 06:09	WG1943518
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 06:09	WG1943518
o-Xylene	U		0.000174	0.00100	1	10/16/2022 06:09	WG1943518
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 06:09	WG1943518
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 06:09	WG1943518
(S) Toluene-d8	*99.4*			*80.0-120*		*10/16/2022 06:09*	WG1943518
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/16/2022 06:09*	WG1943518
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*10/16/2022 06:09*	WG1943518

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.373		0.0247	0.100	1	10/21/2022 19:02	WG1944847
(S) o-Terphenyl	*104*			*31.0-160*		*10/21/2022 19:02*	WG1944847

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2620		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 19:32	WG1942634

Sample Narrative:

L1546101-104 WG1942634: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	262		1.90	5.00	5	10/15/2022 18:30	WG1942486
Fluoride	1.89		0.320	0.750	5	10/15/2022 18:30	WG1942486
Sulfate	1430		11.9	100	20	10/15/2022 18:47	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00358		0.000180	0.00200	1	10/31/2022 15:50	WG1947704
Barium	0.0212		0.000381	0.00200	1	10/31/2022 15:50	WG1947704
Calcium	319		0.0936	1.00	1	10/31/2022 15:50	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:50	WG1947704
Iron	0.0355	J	0.0281	0.100	1	10/31/2022 15:50	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:50	WG1947704
Manganese	0.0781		0.000704	0.00500	1	10/31/2022 15:50	WG1947704
Potassium	1.09	J	0.108	2.00	1	10/31/2022 15:50	WG1947704
Selenium	0.0724		0.000300	0.00200	1	10/31/2022 15:50	WG1947704
Sodium	185		0.376	2.00	1	10/31/2022 15:50	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.396		0.0314	0.100	1	10/19/2022 00:47	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/19/2022 00:47*	WG1944433

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/25/2022 17:37	WG1948833
Benzene	0.00213		0.0000941	0.00100	1	10/25/2022 17:37	WG1948833
Bromodichloromethane	U		0.000136	0.00100	1	10/25/2022 17:37	WG1948833
Bromoform	U		0.000129	0.00100	1	10/25/2022 17:37	WG1948833
Bromomethane	U		0.000605	0.00500	1	10/25/2022 17:37	WG1948833
n-Butylbenzene	0.000384	J	0.000157	0.00100	1	10/25/2022 17:37	WG1948833
sec-Butylbenzene	0.00923		0.000125	0.00100	1	10/25/2022 17:37	WG1948833
Carbon disulfide	0.000338	J	0.0000962	0.00100	1	10/25/2022 17:37	WG1948833
Carbon tetrachloride	U		0.000128	0.00100	1	10/25/2022 17:37	WG1948833
Chlorobenzene	U		0.000116	0.00100	1	10/25/2022 17:37	WG1948833
Chlorodibromomethane	U		0.000140	0.00100	1	10/25/2022 17:37	WG1948833
Chloroethane	U		0.000192	0.00500	1	10/25/2022 17:37	WG1948833
Chloroform	0.00139	J	0.000111	0.00500	1	10/25/2022 17:37	WG1948833

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/25/2022 17:37	WG1948833
1,2-Dibromoethane	U		0.000126	0.00100	1	10/25/2022 17:37	WG1948833
1,1-Dichloroethane	U		0.000100	0.00100	1	10/25/2022 17:37	WG1948833
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/25/2022 17:37	WG1948833
1,1-Dichloroethene	U		0.000188	0.00100	1	10/25/2022 17:37	WG1948833
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/25/2022 17:37	WG1948833
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/25/2022 17:37	WG1948833
1,2-Dichloropropane	U		0.000149	0.00100	1	10/25/2022 17:37	WG1948833
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/25/2022 17:37	WG1948833
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/25/2022 17:37	WG1948833
Ethylbenzene	0.000277	J	0.000137	0.00100	1	10/25/2022 17:37	WG1948833
Isopropylbenzene	0.0471		0.000105	0.00100	1	10/25/2022 17:37	WG1948833
p-Isopropyltoluene	U		0.000120	0.00100	1	10/25/2022 17:37	WG1948833
2-Butanone (MEK)	U		0.00119	0.0100	1	10/25/2022 17:37	WG1948833
2-Hexanone	U		0.000787	0.0100	1	10/25/2022 17:37	WG1948833
Methylene Chloride	U		0.000430	0.00500	1	10/25/2022 17:37	WG1948833
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/25/2022 17:37	WG1948833
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/25/2022 17:37	WG1948833
Naphthalene	U		0.00100	0.00500	1	10/25/2022 17:37	WG1948833
n-Propylbenzene	0.00269		0.0000993	0.00100	1	10/25/2022 17:37	WG1948833
Styrene	U		0.000118	0.00100	1	10/25/2022 17:37	WG1948833
tert-Butyl alcohol	U		0.00406	0.00500	1	10/25/2022 17:37	WG1948833
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/25/2022 17:37	WG1948833
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/25/2022 17:37	WG1948833
Tetrachloroethene	U		0.000300	0.00100	1	10/25/2022 17:37	WG1948833
Toluene	0.000385	J	0.000278	0.00100	1	10/25/2022 17:37	WG1948833
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/25/2022 17:37	WG1948833
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/25/2022 17:37	WG1948833
Trichloroethene	U		0.000190	0.00100	1	10/25/2022 17:37	WG1948833
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/25/2022 17:37	WG1948833
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/25/2022 17:37	WG1948833
Vinyl chloride	U		0.000234	0.00100	1	10/25/2022 17:37	WG1948833
o-Xylene	0.000280	J	0.000174	0.00100	1	10/25/2022 17:37	WG1948833
m&p-Xylene	U		0.000430	0.00200	1	10/25/2022 17:37	WG1948833
Xylenes, Total	U		0.000174	0.00300	1	10/25/2022 17:37	WG1948833
(S) Toluene-d8	*101*			*80.0-120*		*10/25/2022 17:37*	WG1948833
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*10/25/2022 17:37*	WG1948833
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*10/25/2022 17:37*	WG1948833

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.23		0.0247	0.100	1	10/21/2022 19:22	WG1944847
(S) o-Terphenyl	*129*			*31.0-160*		*10/21/2022 19:22*	WG1944847

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1340		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 19:33	WG1942634

Sample Narrative:

L1546101-105 WG1942634: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	154		0.379	1.00	1	10/15/2022 19:04	WG1942486
Fluoride	1.41		0.0640	0.150	1	10/15/2022 19:04	WG1942486
Sulfate	191		0.594	5.00	1	10/15/2022 19:04	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00172	J	0.000180	0.00200	1	10/31/2022 15:54	WG1947704
Barium	0.226		0.00190	0.0100	5	11/01/2022 11:26	WG1947704
Calcium	167		0.0936	1.00	1	10/31/2022 15:54	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:54	WG1947704
Iron	0.156		0.0281	0.100	1	10/31/2022 15:54	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:54	WG1947704
Manganese	0.000793	J	0.000704	0.00500	1	10/31/2022 15:54	WG1947704
Potassium	1.10	J	0.108	2.00	1	10/31/2022 15:54	WG1947704
Selenium	0.0425		0.000300	0.00200	1	10/31/2022 15:54	WG1947704
Sodium	205		0.376	2.00	1	10/31/2022 15:54	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	24.9		0.314	1.00	10	10/19/2022 02:59	WG1944433
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/19/2022 02:59*	WG1944433

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/16/2022 07:12	WG1943518
Benzene	U		0.00188	0.0200	20	10/16/2022 07:12	WG1943518
Bromodichloromethane	U		0.00272	0.0200	20	10/16/2022 07:12	WG1943518
Bromoform	U		0.00258	0.0200	20	10/16/2022 07:12	WG1943518
Bromomethane	U		0.0121	0.100	20	10/16/2022 07:12	WG1943518
n-Butylbenzene	0.0104	J	0.00314	0.0200	20	10/16/2022 07:12	WG1943518
sec-Butylbenzene	0.0126	J	0.00250	0.0200	20	10/16/2022 07:12	WG1943518
Carbon disulfide	U		0.00192	0.0200	20	10/16/2022 07:12	WG1943518
Carbon tetrachloride	U		0.00256	0.0200	20	10/16/2022 07:12	WG1943518
Chlorobenzene	U		0.00232	0.0200	20	10/16/2022 07:12	WG1943518
Chlorodibromomethane	U		0.00280	0.0200	20	10/16/2022 07:12	WG1943518
Chloroethane	U		0.00384	0.100	20	10/16/2022 07:12	WG1943518
Chloroform	U		0.00222	0.100	20	10/16/2022 07:12	WG1943518

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.0192	0.0500	20	10/16/2022 07:12	WG1943518
1,2-Dibromoethane	U		0.00252	0.0200	20	10/16/2022 07:12	WG1943518
1,1-Dichloroethane	U		0.00200	0.0200	20	10/16/2022 07:12	WG1943518
1,2-Dichloroethane	U		0.00164	0.0200	20	10/16/2022 07:12	WG1943518
1,1-Dichloroethene	U		0.00376	0.0200	20	10/16/2022 07:12	WG1943518
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/16/2022 07:12	WG1943518
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/16/2022 07:12	WG1943518
1,2-Dichloropropane	U		0.00298	0.0200	20	10/16/2022 07:12	WG1943518
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/16/2022 07:12	WG1943518
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/16/2022 07:12	WG1943518
Ethylbenzene	U		0.00274	0.0200	20	10/16/2022 07:12	WG1943518
Isopropylbenzene	0.0839		0.00210	0.0200	20	10/16/2022 07:12	WG1943518
p-Isopropyltoluene	U		0.00240	0.0200	20	10/16/2022 07:12	WG1943518
2-Butanone (MEK)	U		0.0238	0.200	20	10/16/2022 07:12	WG1943518
2-Hexanone	U		0.0157	0.200	20	10/16/2022 07:12	WG1943518
Methylene Chloride	U		0.00860	0.100	20	10/16/2022 07:12	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/16/2022 07:12	WG1943518
Methyl tert-butyl ether	32.3		0.101	1.00	1000	10/25/2022 17:57	WG1948833
Naphthalene	U		0.0200	0.100	20	10/16/2022 07:12	WG1943518
n-Propylbenzene	0.0718		0.00199	0.0200	20	10/16/2022 07:12	WG1943518
Styrene	U		0.00236	0.0200	20	10/16/2022 07:12	WG1943518
tert-Butyl alcohol	3.30		0.0812	0.100	20	10/16/2022 07:12	WG1943518
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/16/2022 07:12	WG1943518
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/16/2022 07:12	WG1943518
Tetrachloroethene	U		0.00600	0.0200	20	10/16/2022 07:12	WG1943518
Toluene	U		0.00556	0.0200	20	10/16/2022 07:12	WG1943518
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/16/2022 07:12	WG1943518
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/16/2022 07:12	WG1943518
Trichloroethene	U		0.00380	0.0200	20	10/16/2022 07:12	WG1943518
1,2,4-Trimethylbenzene	U		0.00644	0.0200	20	10/16/2022 07:12	WG1943518
1,3,5-Trimethylbenzene	U		0.00208	0.0200	20	10/16/2022 07:12	WG1943518
Vinyl chloride	U		0.00468	0.0200	20	10/16/2022 07:12	WG1943518
o-Xylene	U		0.00348	0.0200	20	10/16/2022 07:12	WG1943518
m&p-Xylene	U		0.00860	0.0400	20	10/16/2022 07:12	WG1943518
Xylenes, Total	U		0.00348	0.0600	20	10/16/2022 07:12	WG1943518
(S) Toluene-d8	*97.5*			*80.0-120*		*10/16/2022 07:12*	WG1943518
(S) Toluene-d8	*103*			*80.0-120*		*10/25/2022 17:57*	WG1948833
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/16/2022 07:12*	WG1943518
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*10/25/2022 17:57*	WG1948833
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*10/16/2022 07:12*	WG1943518
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*10/25/2022 17:57*	WG1948833

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.20		0.0247	0.100	1	10/21/2022 19:42	WG1944847
(S) o-Terphenyl	*137*			*31.0-160*		*10/21/2022 19:42*	WG1944847

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2230		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 19:35	WG1942634

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/23/2022 07:09	WG1946914

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	348		3.79	10.0	10	10/15/2022 20:12	WG1942486
Fluoride	1.44	J	0.640	1.50	10	10/15/2022 20:12	WG1942486
Sulfate	1020		5.94	50.0	10	10/15/2022 20:12	WG1942486

Sample Narrative:

L1546101-106 WG1942486: DILUTED DUE TO MATRIX

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	0.000113	J	0.000100	0.000200	1	10/26/2022 13:03	WG1944375

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.449		0.0200	0.200	1	10/24/2022 22:50	WG1947650

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00550		0.000180	0.00200	1	10/31/2022 15:57	WG1947704
Barium	0.0153		0.000381	0.00200	1	10/31/2022 15:57	WG1947704
Cadmium	U		0.000150	0.00100	1	10/31/2022 15:57	WG1947704
Calcium	291		0.0936	1.00	1	10/31/2022 15:57	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 15:57	WG1947704
Cobalt	0.00341		0.0000596	0.00200	1	10/31/2022 15:57	WG1947704
Iron	U		0.0281	0.100	1	10/31/2022 15:57	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 15:57	WG1947704
Manganese	0.350		0.000704	0.00500	1	10/31/2022 15:57	WG1947704
Nickel	0.00967		0.000816	0.00200	1	10/31/2022 15:57	WG1947704
Potassium	0.679	J	0.108	2.00	1	10/31/2022 15:57	WG1947704
Selenium	0.0130		0.000300	0.00200	1	10/31/2022 15:57	WG1947704
Sodium	191		0.376	2.00	1	10/31/2022 15:57	WG1947704
Uranium	0.0215		0.0000789	0.00100	1	10/31/2022 15:57	WG1947704
Vanadium	0.0140		0.000664	0.00500	1	10/31/2022 15:57	WG1947704

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0658	J	0.0314	0.100	1	10/19/2022 12:28	WG1944440
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*10/19/2022 12:28*	WG1944440

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2022 06:30	WG1943518
Benzene	U		0.0000941	0.00100	1	10/16/2022 06:30	WG1943518
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2022 06:30	WG1943518
Bromoform	U		0.000129	0.00100	1	10/16/2022 06:30	WG1943518
Bromomethane	U		0.000605	0.00500	1	10/16/2022 06:30	WG1943518
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2022 06:30	WG1943518
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2022 06:30	WG1943518
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2022 06:30	WG1943518
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2022 06:30	WG1943518
Chlorobenzene	U		0.000116	0.00100	1	10/16/2022 06:30	WG1943518
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2022 06:30	WG1943518
Chloroethane	U		0.000192	0.00500	1	10/16/2022 06:30	WG1943518
Chloroform	U		0.000111	0.00500	1	10/16/2022 06:30	WG1943518
Chloromethane	U		0.000960	0.00250	1	10/16/2022 06:30	WG1943518
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2022 06:30	WG1943518
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2022 06:30	WG1943518
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2022 06:30	WG1943518
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2022 06:30	WG1943518
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2022 06:30	WG1943518
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2022 06:30	WG1943518
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2022 06:30	WG1943518
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/16/2022 06:30	WG1943518
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2022 06:30	WG1943518
Ethylbenzene	U		0.000137	0.00100	1	10/16/2022 06:30	WG1943518
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2022 06:30	WG1943518
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2022 06:30	WG1943518
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2022 06:30	WG1943518
2-Hexanone	U		0.000787	0.0100	1	10/16/2022 06:30	WG1943518
Methylene Chloride	U		0.000430	0.00500	1	10/16/2022 06:30	WG1943518
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2022 06:30	WG1943518
Methyl tert-butyl ether	0.0772		0.000101	0.00100	1	10/16/2022 06:30	WG1943518
Naphthalene	U		0.00100	0.00500	1	10/16/2022 06:30	WG1943518
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2022 06:30	WG1943518
Styrene	U		0.000118	0.00100	1	10/16/2022 06:30	WG1943518
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2022 06:30	WG1943518
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2022 06:30	WG1943518
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2022 06:30	WG1943518
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2022 06:30	WG1943518
Toluene	U		0.000278	0.00100	1	10/16/2022 06:30	WG1943518
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2022 06:30	WG1943518
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2022 06:30	WG1943518
Trichloroethene	U		0.000190	0.00100	1	10/16/2022 06:30	WG1943518
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2022 06:30	WG1943518
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2022 06:30	WG1943518
Vinyl chloride	U		0.000234	0.00100	1	10/16/2022 06:30	WG1943518
o-Xylene	U		0.000174	0.00100	1	10/16/2022 06:30	WG1943518
m&p-Xylene	U		0.000430	0.00200	1	10/16/2022 06:30	WG1943518
Xylenes, Total	U		0.000174	0.00300	1	10/16/2022 06:30	WG1943518
(S) Toluene-d8	*98.4*			*80.0-120*		*10/16/2022 06:30*	WG1943518

MW-33
Collected date/time: 10/11/22 12:45
L1546101

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/16/2022 06:30*	WG1943518
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*10/16/2022 06:30*	WG1943518

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.661		0.0247	0.100	1	10/19/2022 23:34	WG1945263
(S) o-Terphenyl	*98.9*			*31.0-160*		*10/19/2022 23:34*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3230	Q	100	1	10/19/2022 16:54	WG1945498

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 19:36	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	607		1.90	5.00	5	10/18/2022 06:21	WG1943989
Fluoride	2.55		0.320	0.750	5	10/18/2022 06:21	WG1943989
Sulfate	1100		11.9	100	20	10/18/2022 06:33	WG1943989

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00573		0.000180	0.00200	1	10/31/2022 16:00	WG1947704
Barium	0.0202		0.000381	0.00200	1	10/31/2022 16:00	WG1947704
Calcium	542		0.0936	1.00	1	10/31/2022 16:00	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:00	WG1947704
Iron	2.72		0.0281	0.100	1	10/31/2022 16:00	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:00	WG1947704
Manganese	0.155		0.000704	0.00500	1	10/31/2022 16:00	WG1947704
Potassium	4.55		0.108	2.00	1	10/31/2022 16:00	WG1947704
Selenium	0.00809		0.000300	0.00200	1	10/31/2022 16:00	WG1947704
Sodium	279		0.376	2.00	1	10/31/2022 16:00	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 01:19	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 01:19	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 01:19	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 01:19	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 01:19	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 01:19	WG1943691
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2022 01:19	WG1943691
Carbon disulfide	0.000111	J	0.0000962	0.00100	1	10/17/2022 01:19	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 01:19	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 01:19	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 01:19	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 01:19	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 01:19	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 01:19	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 01:19	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 01:19	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 01:19	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 01:19	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 01:19	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 01:19	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 01:19	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 01:19	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 01:19	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 01:19	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 01:19	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 01:19	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 01:19	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 01:19	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 01:19	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 01:19	WG1943691
Methyl tert-butyl ether	0.000516	J	0.000101	0.00100	1	10/17/2022 01:19	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 01:19	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 01:19	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 01:19	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 01:19	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 01:19	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 01:19	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 01:19	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 01:19	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 01:19	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 01:19	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 01:19	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 01:19	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 01:19	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 01:19	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 01:19	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 01:19	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 01:19	WG1943691
(S) Toluene-d8	*99.0*			*80.0-120*		*10/17/2022 01:19*	WG1943691
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*10/17/2022 01:19*	WG1943691
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*10/17/2022 01:19*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	13.0		0.247	1.00	10	10/22/2022 04:48	WG1945263
(S) o-Terphenyl	*105*			*31.0-160*		*10/22/2022 04:48*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2150		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 19:37	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	123		0.379	1.00	1	10/15/2022 21:37	WG1942486
Fluoride	2.05		0.0640	0.150	1	10/15/2022 21:37	WG1942486
Sulfate	1270		11.9	100	20	10/15/2022 21:54	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0155		0.000180	0.00200	1	10/31/2022 16:03	WG1947704
Barium	0.0179		0.000381	0.00200	1	10/31/2022 16:03	WG1947704
Calcium	338		0.0936	1.00	1	10/31/2022 16:03	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:03	WG1947704
Iron	0.591		0.0281	0.100	1	10/31/2022 16:03	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:03	WG1947704
Manganese	0.770		0.000704	0.00500	1	10/31/2022 16:03	WG1947704
Potassium	2.05		0.108	2.00	1	10/31/2022 16:03	WG1947704
Selenium	0.0205		0.000300	0.00200	1	10/31/2022 16:03	WG1947704
Sodium	154		0.376	2.00	1	10/31/2022 16:03	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 01:40	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 01:40	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 01:40	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 01:40	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 01:40	WG1943691
n-Butylbenzene	0.000847	J	0.000157	0.00100	1	10/17/2022 01:40	WG1943691
sec-Butylbenzene	0.000550	J	0.000125	0.00100	1	10/17/2022 01:40	WG1943691
Carbon disulfide	0.000324	J	0.0000962	0.00100	1	10/17/2022 01:40	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 01:40	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 01:40	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 01:40	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 01:40	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 01:40	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 01:40	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 01:40	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 01:40	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 01:40	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 01:40	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 01:40	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 01:40	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 01:40	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 01:40	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 01:40	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 01:40	WG1943691
Isopropylbenzene	0.00122		0.000105	0.00100	1	10/17/2022 01:40	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 01:40	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 01:40	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 01:40	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 01:40	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 01:40	WG1943691
Methyl tert-butyl ether	0.000401	J	0.000101	0.00100	1	10/17/2022 01:40	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 01:40	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 01:40	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 01:40	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 01:40	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 01:40	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 01:40	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 01:40	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 01:40	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 01:40	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 01:40	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 01:40	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 01:40	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 01:40	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 01:40	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 01:40	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 01:40	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 01:40	WG1943691
(S) Toluene-d8	*95.8*			*80.0-120*		*10/17/2022 01:40*	WG1943691
(S) 4-Bromofluorobenzene	*87.1*			*77.0-126*		*10/17/2022 01:40*	WG1943691
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*10/17/2022 01:40*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.07		0.247	1.00	10	10/20/2022 09:19	WG1945263
(S) o-Terphenyl	*96.8*			*31.0-160*		*10/20/2022 09:19*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2730		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.855		0.0500	0.100	1	10/19/2022 19:38	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	204		3.79	10.0	10	10/15/2022 22:11	WG1942486
Fluoride	1.51		0.640	1.50	10	10/15/2022 22:11	WG1942486
Sulfate	1750		5.94	50.0	10	10/15/2022 22:11	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00276		0.000180	0.00200	1	10/31/2022 16:07	WG1947704
Barium	0.0199		0.000381	0.00200	1	10/31/2022 16:07	WG1947704
Calcium	513		0.0936	1.00	1	10/31/2022 16:07	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:07	WG1947704
Iron	0.0726	J	0.0281	0.100	1	10/31/2022 16:07	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:07	WG1947704
Manganese	2.00		0.000704	0.00500	1	10/31/2022 16:07	WG1947704
Potassium	3.51		0.108	2.00	1	10/31/2022 16:07	WG1947704
Selenium	0.00501		0.000300	0.00200	1	10/31/2022 16:07	WG1947704
Sodium	111		0.376	2.00	1	10/31/2022 16:07	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0159	J	0.0113	0.0500	1	10/17/2022 02:01	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 02:01	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 02:01	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 02:01	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 02:01	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 02:01	WG1943691
sec-Butylbenzene	0.000342	J	0.000125	0.00100	1	10/17/2022 02:01	WG1943691
Carbon disulfide	0.000123	J	0.0000962	0.00100	1	10/17/2022 02:01	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 02:01	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 02:01	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 02:01	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 02:01	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 02:01	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 02:01	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 02:01	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 02:01	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 02:01	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 02:01	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 02:01	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 02:01	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 02:01	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 02:01	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 02:01	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 02:01	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 02:01	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 02:01	WG1943691
2-Butanone (MEK)	0.00242	J	0.00119	0.0100	1	10/17/2022 02:01	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 02:01	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 02:01	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 02:01	WG1943691
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2022 02:01	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 02:01	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 02:01	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 02:01	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 02:01	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 02:01	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 02:01	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 02:01	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 02:01	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 02:01	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 02:01	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 02:01	WG1943691
1,2,4-Trimethylbenzene	0.000461	J	0.000322	0.00100	1	10/17/2022 02:01	WG1943691
1,3,5-Trimethylbenzene	0.000111	J	0.000104	0.00100	1	10/17/2022 02:01	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 02:01	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 02:01	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 02:01	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 02:01	WG1943691
(S) Toluene-d8	*100*			*80.0-120*		*10/17/2022 02:01*	WG1943691
(S) 4-Bromofluorobenzene	*89.3*			*77.0-126*		*10/17/2022 02:01*	WG1943691
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*10/17/2022 02:01*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.46		0.0247	0.100	1	10/19/2022 23:57	WG1945263
(S) o-Terphenyl	*96.3*			*31.0-160*		*10/19/2022 23:57*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1750		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	10/19/2022 19:40	WG1942634

Sample Narrative:

L1546101-110 WG1942634: Dilution due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	29.7		0.379	1.00	1	10/15/2022 23:36	WG1942486
Fluoride	1.81		0.0640	0.150	1	10/15/2022 23:36	WG1942486
Sulfate	881		5.94	50.0	10	10/15/2022 23:52	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000445	J	0.000180	0.00200	1	11/01/2022 11:52	WG1947704
Barium	0.0442		0.000381	0.00200	1	11/01/2022 11:52	WG1947704
Calcium	234		0.0936	1.00	1	11/01/2022 11:52	WG1947704
Chromium	U		0.00124	0.00200	1	11/01/2022 11:52	WG1947704
Iron	0.700		0.0281	0.100	1	11/01/2022 11:52	WG1947704
Lead	U		0.000849	0.00200	1	11/01/2022 11:52	WG1947704
Manganese	0.0573		0.000704	0.00500	1	11/01/2022 11:52	WG1947704
Potassium	0.472	J	0.108	2.00	1	11/01/2022 11:52	WG1947704
Selenium	0.0638		0.000300	0.00200	1	11/01/2022 11:52	WG1947704
Sodium	49.3		0.376	2.00	1	11/01/2022 11:52	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 02:22	WG1943691
Benzene	0.0702		0.0000941	0.00100	1	10/17/2022 02:22	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 02:22	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 02:22	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 02:22	WG1943691
n-Butylbenzene	0.00206		0.000157	0.00100	1	10/17/2022 02:22	WG1943691
sec-Butylbenzene	0.00542		0.000125	0.00100	1	10/17/2022 02:22	WG1943691
Carbon disulfide	0.000607	J	0.0000962	0.00100	1	10/17/2022 02:22	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 02:22	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 02:22	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 02:22	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 02:22	WG1943691
Chloroform	0.00115	J	0.000111	0.00500	1	10/17/2022 02:22	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 02:22	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 02:22	WG1943691
1,1-Dichloroethane	0.000152	J	0.000100	0.00100	1	10/17/2022 02:22	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 02:22	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 02:22	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 02:22	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 02:22	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 02:22	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 02:22	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 02:22	WG1943691
Ethylbenzene	0.000558	J	0.000137	0.00100	1	10/17/2022 02:22	WG1943691
Isopropylbenzene	0.0259		0.000105	0.00100	1	10/17/2022 02:22	WG1943691
p-Isopropyltoluene	0.000182	J	0.000120	0.00100	1	10/17/2022 02:22	WG1943691
2-Butanone (MEK)	0.00218	J	0.00119	0.0100	1	10/17/2022 02:22	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 02:22	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 02:22	WG1943691
4-Methyl-2-pentanone (MIBK)	0.000683	J	0.000478	0.0100	1	10/17/2022 02:22	WG1943691
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2022 02:22	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 02:22	WG1943691
n-Propylbenzene	0.0177		0.0000993	0.00100	1	10/17/2022 02:22	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 02:22	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 02:22	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 02:22	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 02:22	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 02:22	WG1943691
Toluene	0.000557	J	0.000278	0.00100	1	10/17/2022 02:22	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 02:22	WG1943691
1,1,2-Trichloroethane	0.000652	J	0.000158	0.00100	1	10/17/2022 02:22	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 02:22	WG1943691
1,2,4-Trimethylbenzene	0.000811	J	0.000322	0.00100	1	10/17/2022 02:22	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 02:22	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 02:22	WG1943691
o-Xylene	0.000415	J	0.000174	0.00100	1	10/17/2022 02:22	WG1943691
m&p-Xylene	0.00266		0.000430	0.00200	1	10/17/2022 02:22	WG1943691
Xylenes, Total	0.00308		0.000174	0.00300	1	10/17/2022 02:22	WG1943691
(S) Toluene-d8	*98.3*			*80.0-120*		*10/17/2022 02:22*	WG1943691
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*10/17/2022 02:22*	WG1943691
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*		*10/17/2022 02:22*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.10		0.0247	0.100	1	10/20/2022 00:20	WG1945263
(S) o-Terphenyl	*104*			*31.0-160*		*10/20/2022 00:20*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1500		25.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 19:41	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	31.0		0.379	1.00	1	10/16/2022 00:09	WG1942486
Fluoride	1.73		0.0640	0.150	1	10/16/2022 00:09	WG1942486
Sulfate	895		5.94	50.0	10	10/16/2022 01:00	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0134		0.000180	0.00200	1	10/31/2022 16:16	WG1947704
Barium	0.0258		0.000381	0.00200	1	10/31/2022 16:16	WG1947704
Calcium	212		0.0936	1.00	1	10/31/2022 16:16	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:16	WG1947704
Iron	0.616		0.0281	0.100	1	10/31/2022 16:16	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:16	WG1947704
Manganese	1.69		0.000704	0.00500	1	10/31/2022 16:16	WG1947704
Potassium	0.280	J	0.108	2.00	1	10/31/2022 16:16	WG1947704
Selenium	0.00374		0.000300	0.00200	1	10/31/2022 16:16	WG1947704
Sodium	32.1		0.376	2.00	1	10/31/2022 16:16	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 02:44	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 02:44	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 02:44	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 02:44	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 02:44	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 02:44	WG1943691
sec-Butylbenzene	0.000405	J	0.000125	0.00100	1	10/17/2022 02:44	WG1943691
Carbon disulfide	0.000168	J	0.0000962	0.00100	1	10/17/2022 02:44	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 02:44	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 02:44	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 02:44	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 02:44	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 02:44	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 02:44	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 02:44	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 02:44	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 02:44	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 02:44	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 02:44	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 02:44	WG1943691
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 02:44	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 02:44	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 02:44	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 02:44	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 02:44	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 02:44	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 02:44	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 02:44	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 02:44	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 02:44	WG1943691
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2022 02:44	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 02:44	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 02:44	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 02:44	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 02:44	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 02:44	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 02:44	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 02:44	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 02:44	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 02:44	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 02:44	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 02:44	WG1943691
1,2,4-Trimethylbenzene	0.000386	J	0.000322	0.00100	1	10/17/2022 02:44	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 02:44	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 02:44	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 02:44	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 02:44	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 02:44	WG1943691
(S) Toluene-d8	*101*			*80.0-120*		*10/17/2022 02:44*	WG1943691
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*10/17/2022 02:44*	WG1943691
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*10/17/2022 02:44*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.457		0.0247	0.100	1	10/22/2022 17:13	WG1945263
(S) o-Terphenyl	*114*			*31.0-160*		*10/22/2022 17:13*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2270		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.389		0.0500	0.100	1	10/19/2022 19:42	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	244		3.79	10.0	10	10/16/2022 01:17	WG1942486
Fluoride	1.39	J	0.640	1.50	10	10/16/2022 01:17	WG1942486
Sulfate	1160		5.94	50.0	10	10/16/2022 01:17	WG1942486

Sample Narrative:

L1546101-112 WG1942486: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00465		0.000180	0.00200	1	11/01/2022 11:59	WG1947704
Barium	0.0175		0.000381	0.00200	1	11/01/2022 11:59	WG1947704
Calcium	436		0.0936	1.00	1	11/01/2022 11:59	WG1947704
Chromium	U		0.00124	0.00200	1	11/01/2022 11:59	WG1947704
Iron	0.125		0.0281	0.100	1	11/01/2022 11:59	WG1947704
Lead	U		0.000849	0.00200	1	11/01/2022 11:59	WG1947704
Manganese	0.760		0.000704	0.00500	1	11/01/2022 11:59	WG1947704
Potassium	0.313	J	0.108	2.00	1	11/01/2022 11:59	WG1947704
Selenium	0.00877		0.000300	0.00200	1	11/01/2022 11:59	WG1947704
Sodium	69.7		0.376	2.00	1	11/01/2022 11:59	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 03:04	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 03:04	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 03:04	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 03:04	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 03:04	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 03:04	WG1943691
sec-Butylbenzene	0.000380	J	0.000125	0.00100	1	10/17/2022 03:04	WG1943691
Carbon disulfide	0.000161	J	0.0000962	0.00100	1	10/17/2022 03:04	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 03:04	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 03:04	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 03:04	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 03:04	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 03:04	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 03:04	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 03:04	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 03:04	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 03:04	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 03:04	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 03:04	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 03:04	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 03:04	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 03:04	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 03:04	WG1943691
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 03:04	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 03:04	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 03:04	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 03:04	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 03:04	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 03:04	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 03:04	WG1943691
Methyl tert-butyl ether	0.000141	J	0.000101	0.00100	1	10/17/2022 03:04	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 03:04	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 03:04	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 03:04	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 03:04	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 03:04	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 03:04	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 03:04	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 03:04	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 03:04	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 03:04	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 03:04	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 03:04	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 03:04	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 03:04	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 03:04	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 03:04	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 03:04	WG1943691
(S) Toluene-d8	*97.9*			*80.0-120*		*10/17/2022 03:04*	WG1943691
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*		*10/17/2022 03:04*	WG1943691
(S) 1,2-Dichloroethane-d4	*87.8*			*70.0-130*		*10/17/2022 03:04*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.32		0.0247	0.100	1	10/20/2022 01:22	WG1945263
(S) o-Terphenyl	*106*			*31.0-160*		*10/20/2022 01:22*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3040		50.0	1	10/18/2022 16:56	WG1944585

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	13.2		0.250	0.500	5	10/19/2022 19:44	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	181		3.79	10.0	10	10/16/2022 01:34	WG1942486
Fluoride	0.781	J	0.640	1.50	10	10/16/2022 01:34	WG1942486
Sulfate	2080		59.4	500	100	10/16/2022 01:51	WG1942486

Sample Narrative:

L1546101-113 WG1942486: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00159	J	0.000180	0.00200	1	10/31/2022 16:43	WG1947704
Barium	0.0133		0.000381	0.00200	1	10/31/2022 16:43	WG1947704
Calcium	514		0.0936	1.00	1	10/31/2022 16:43	WG1947704
Chromium	U		0.00124	0.00200	1	10/31/2022 16:43	WG1947704
Iron	U		0.0281	0.100	1	10/31/2022 16:43	WG1947704
Lead	U		0.000849	0.00200	1	10/31/2022 16:43	WG1947704
Manganese	U		0.000704	0.00500	1	10/31/2022 16:43	WG1947704
Potassium	0.700	J	0.108	2.00	1	10/31/2022 16:43	WG1947704
Selenium	0.0125		0.000300	0.00200	1	10/31/2022 16:43	WG1947704
Sodium	158		0.376	2.00	1	10/31/2022 16:43	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 03:25	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 03:25	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 03:25	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 03:25	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 03:25	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 03:25	WG1943691
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2022 03:25	WG1943691
Carbon disulfide	0.000151	J	0.0000962	0.00100	1	10/17/2022 03:25	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 03:25	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 03:25	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 03:25	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 03:25	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 03:25	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 03:25	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 03:25	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 03:25	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 03:25	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 03:25	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 03:25	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 03:25	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 03:25	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 03:25	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 03:25	WG1943691
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 03:25	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 03:25	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 03:25	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 03:25	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 03:25	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 03:25	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 03:25	WG1943691
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2022 03:25	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 03:25	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 03:25	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 03:25	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 03:25	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 03:25	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 03:25	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 03:25	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 03:25	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 03:25	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 03:25	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 03:25	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 03:25	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 03:25	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 03:25	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 03:25	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 03:25	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 03:25	WG1943691
(S) Toluene-d8	*102*			*80.0-120*		*10/17/2022 03:25*	WG1943691
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*10/17/2022 03:25*	WG1943691
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*10/17/2022 03:25*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0734	J	0.0247	0.100	1	10/20/2022 01:45	WG1945263
(S) o-Terphenyl	*93.7*			*31.0-160*		*10/20/2022 01:45*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2980		50.0	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	12.8		0.250	0.500	5	10/19/2022 19:49	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	182		3.79	10.0	10	10/16/2022 02:08	WG1942486
Fluoride	0.781	J	0.640	1.50	10	10/16/2022 02:08	WG1942486
Sulfate	2080		59.4	500	100	10/16/2022 02:25	WG1942486

Sample Narrative:

L1546101-114 WG1942486: DILUTED DUE TO MATRIX

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00150	J	0.000180	0.00200	1	11/01/2022 12:05	WG1947704
Barium	0.0122		0.000381	0.00200	1	11/01/2022 12:05	WG1947704
Calcium	472		0.0936	1.00	1	11/01/2022 12:05	WG1947704
Chromium	U		0.00124	0.00200	1	11/01/2022 12:05	WG1947704
Iron	U		0.0281	0.100	1	11/01/2022 12:05	WG1947704
Lead	U		0.000849	0.00200	1	11/01/2022 12:05	WG1947704
Manganese	U		0.000704	0.00500	1	11/01/2022 12:05	WG1947704
Potassium	0.704	J	0.108	2.00	1	11/01/2022 12:05	WG1947704
Selenium	0.0193		0.000300	0.00200	1	11/01/2022 12:05	WG1947704
Sodium	155		0.376	2.00	1	11/01/2022 12:05	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/17/2022 03:46	WG1943691
Benzene	U		0.0000941	0.00100	1	10/17/2022 03:46	WG1943691
Bromodichloromethane	U		0.000136	0.00100	1	10/17/2022 03:46	WG1943691
Bromoform	U	J4	0.000129	0.00100	1	10/17/2022 03:46	WG1943691
Bromomethane	U		0.000605	0.00500	1	10/17/2022 03:46	WG1943691
n-Butylbenzene	U		0.000157	0.00100	1	10/17/2022 03:46	WG1943691
sec-Butylbenzene	U		0.000125	0.00100	1	10/17/2022 03:46	WG1943691
Carbon disulfide	0.000110	J	0.0000962	0.00100	1	10/17/2022 03:46	WG1943691
Carbon tetrachloride	U		0.000128	0.00100	1	10/17/2022 03:46	WG1943691
Chlorobenzene	U		0.000116	0.00100	1	10/17/2022 03:46	WG1943691
Chlorodibromomethane	U		0.000140	0.00100	1	10/17/2022 03:46	WG1943691
Chloroethane	U		0.000192	0.00500	1	10/17/2022 03:46	WG1943691
Chloroform	U		0.000111	0.00500	1	10/17/2022 03:46	WG1943691
Chloromethane	U		0.000960	0.00250	1	10/17/2022 03:46	WG1943691
1,2-Dibromoethane	U		0.000126	0.00100	1	10/17/2022 03:46	WG1943691
1,1-Dichloroethane	U		0.000100	0.00100	1	10/17/2022 03:46	WG1943691
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/17/2022 03:46	WG1943691
1,1-Dichloroethene	U		0.000188	0.00100	1	10/17/2022 03:46	WG1943691
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/17/2022 03:46	WG1943691
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/17/2022 03:46	WG1943691

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	U		0.000149	0.00100	1	10/17/2022 03:46	WG1943691
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/17/2022 03:46	WG1943691
trans-1,3-Dichloropropene	U	J4	0.000118	0.00100	1	10/17/2022 03:46	WG1943691
Ethylbenzene	U		0.000137	0.00100	1	10/17/2022 03:46	WG1943691
Isopropylbenzene	U		0.000105	0.00100	1	10/17/2022 03:46	WG1943691
p-Isopropyltoluene	U		0.000120	0.00100	1	10/17/2022 03:46	WG1943691
2-Butanone (MEK)	U		0.00119	0.0100	1	10/17/2022 03:46	WG1943691
2-Hexanone	U		0.000787	0.0100	1	10/17/2022 03:46	WG1943691
Methylene Chloride	U		0.000430	0.00500	1	10/17/2022 03:46	WG1943691
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/17/2022 03:46	WG1943691
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/17/2022 03:46	WG1943691
Naphthalene	U		0.00100	0.00500	1	10/17/2022 03:46	WG1943691
n-Propylbenzene	U		0.0000993	0.00100	1	10/17/2022 03:46	WG1943691
Styrene	U		0.000118	0.00100	1	10/17/2022 03:46	WG1943691
tert-Butyl alcohol	U		0.00406	0.00500	1	10/17/2022 03:46	WG1943691
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/17/2022 03:46	WG1943691
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/17/2022 03:46	WG1943691
Tetrachloroethene	U		0.000300	0.00100	1	10/17/2022 03:46	WG1943691
Toluene	U		0.000278	0.00100	1	10/17/2022 03:46	WG1943691
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/17/2022 03:46	WG1943691
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/17/2022 03:46	WG1943691
Trichloroethene	U		0.000190	0.00100	1	10/17/2022 03:46	WG1943691
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/17/2022 03:46	WG1943691
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/17/2022 03:46	WG1943691
Vinyl chloride	U	J3	0.000234	0.00100	1	10/17/2022 03:46	WG1943691
o-Xylene	U		0.000174	0.00100	1	10/17/2022 03:46	WG1943691
m&p-Xylene	U		0.000430	0.00200	1	10/17/2022 03:46	WG1943691
Xylenes, Total	U		0.000174	0.00300	1	10/17/2022 03:46	WG1943691
(S) Toluene-d8	*100*			*80.0-120*		*10/17/2022 03:46*	WG1943691
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*		*10/17/2022 03:46*	WG1943691
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/17/2022 03:46*	WG1943691

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0464	J	0.0247	0.100	1	10/20/2022 02:08	WG1945263
(S) o-Terphenyl	*92.1*			*31.0-160*		*10/20/2022 02:08*	WG1945263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	16.0	P1	10.0	1	10/19/2022 11:49	WG1944588

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	10/19/2022 19:50	WG1942634

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	10/16/2022 02:42	WG1942486
Fluoride	U		0.0640	0.150	1	10/16/2022 02:42	WG1942486
Sulfate	U		0.594	5.00	1	10/16/2022 02:42	WG1942486

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	11/01/2022 12:09	WG1947704
Barium	U		0.000381	0.00200	1	11/01/2022 12:09	WG1947704
Calcium	0.105	J	0.0936	1.00	1	11/01/2022 12:09	WG1947704
Chromium	U		0.00124	0.00200	1	11/01/2022 12:09	WG1947704
Iron	U		0.0281	0.100	1	11/01/2022 12:09	WG1947704
Lead	U		0.000849	0.00200	1	11/01/2022 12:09	WG1947704
Manganese	U		0.000704	0.00500	1	11/01/2022 12:09	WG1947704
Potassium	U		0.108	2.00	1	11/01/2022 12:09	WG1947704
Selenium	0.00672		0.000300	0.00200	1	11/01/2022 12:09	WG1947704
Sodium	U		0.376	2.00	1	11/01/2022 12:09	WG1947704

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2022 11:38	WG1944540
Benzene	U		0.0000941	0.00100	1	10/18/2022 11:38	WG1944540
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2022 11:38	WG1944540
Bromoform	U		0.000129	0.00100	1	10/18/2022 11:38	WG1944540
Bromomethane	U		0.000605	0.00500	1	10/18/2022 11:38	WG1944540
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2022 11:38	WG1944540
sec-Butylbenzene	U		0.000125	0.00100	1	10/18/2022 11:38	WG1944540
Carbon disulfide	U		0.0000962	0.00100	1	10/18/2022 11:38	WG1944540
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2022 11:38	WG1944540
Chlorobenzene	U		0.000116	0.00100	1	10/18/2022 11:38	WG1944540
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2022 11:38	WG1944540
Chloroethane	U		0.000192	0.00500	1	10/18/2022 11:38	WG1944540
Chloroform	U		0.000111	0.00500	1	10/18/2022 11:38	WG1944540
Chloromethane	U		0.000960	0.00250	1	10/18/2022 11:38	WG1944540
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2022 11:38	WG1944540
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2022 11:38	WG1944540
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2022 11:38	WG1944540
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2022 11:38	WG1944540
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2022 11:38	WG1944540
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2022 11:38	WG1944540
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2022 11:38	WG1944540
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2022 11:38	WG1944540
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2022 11:38	WG1944540

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/18/2022 11:38	WG1944540
Isopropylbenzene	U		0.000105	0.00100	1	10/18/2022 11:38	WG1944540
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2022 11:38	WG1944540
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2022 11:38	WG1944540
2-Hexanone	U		0.000787	0.0100	1	10/18/2022 11:38	WG1944540
Methylene Chloride	U		0.000430	0.00500	1	10/18/2022 11:38	WG1944540
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2022 11:38	WG1944540
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/18/2022 11:38	WG1944540
Naphthalene	U	J3 J4	0.00100	0.00500	1	10/18/2022 11:38	WG1944540
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2022 11:38	WG1944540
Styrene	U		0.000118	0.00100	1	10/18/2022 11:38	WG1944540
tert-Butyl alcohol	U		0.00406	0.00500	1	10/18/2022 11:38	WG1944540
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2022 11:38	WG1944540
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2022 11:38	WG1944540
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2022 11:38	WG1944540
Toluene	U		0.000278	0.00100	1	10/18/2022 11:38	WG1944540
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2022 11:38	WG1944540
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2022 11:38	WG1944540
Trichloroethene	U		0.000190	0.00100	1	10/18/2022 11:38	WG1944540
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2022 11:38	WG1944540
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2022 11:38	WG1944540
Vinyl chloride	U		0.000234	0.00100	1	10/18/2022 11:38	WG1944540
o-Xylene	U		0.000174	0.00100	1	10/18/2022 11:38	WG1944540
m&p-Xylene	U		0.000430	0.00200	1	10/18/2022 11:38	WG1944540
Xylenes, Total	U		0.000174	0.00300	1	10/18/2022 11:38	WG1944540
(S) Toluene-d8	*109*			*80.0-120*		*10/18/2022 11:38*	WG1944540
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/18/2022 11:38*	WG1944540
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/18/2022 11:38*	WG1944540

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/20/2022 02:31	WG1945263
(S) o-Terphenyl	*92.1*			*31.0-160*		*10/20/2022 02:31*	WG1945263

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/18/2022 11:59	WG1944540
Benzene	U		0.0000941	0.00100	1	10/18/2022 11:59	WG1944540
Bromodichloromethane	U		0.000136	0.00100	1	10/18/2022 11:59	WG1944540
Bromoform	U		0.000129	0.00100	1	10/18/2022 11:59	WG1944540
Bromomethane	U		0.000605	0.00500	1	10/18/2022 11:59	WG1944540
n-Butylbenzene	U		0.000157	0.00100	1	10/18/2022 11:59	WG1944540
sec-Butylbenzene	U		0.000125	0.00100	1	10/18/2022 11:59	WG1944540
Carbon disulfide	U		0.0000962	0.00100	1	10/18/2022 11:59	WG1944540
Carbon tetrachloride	U		0.000128	0.00100	1	10/18/2022 11:59	WG1944540
Chlorobenzene	U		0.000116	0.00100	1	10/18/2022 11:59	WG1944540
Chlorodibromomethane	U		0.000140	0.00100	1	10/18/2022 11:59	WG1944540
Chloroethane	U		0.000192	0.00500	1	10/18/2022 11:59	WG1944540
Chloroform	U		0.000111	0.00500	1	10/18/2022 11:59	WG1944540
Chloromethane	U		0.000960	0.00250	1	10/18/2022 11:59	WG1944540
1,2-Dibromoethane	U		0.000126	0.00100	1	10/18/2022 11:59	WG1944540
1,1-Dichloroethane	U		0.000100	0.00100	1	10/18/2022 11:59	WG1944540
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/18/2022 11:59	WG1944540
1,1-Dichloroethene	U		0.000188	0.00100	1	10/18/2022 11:59	WG1944540
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/18/2022 11:59	WG1944540
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/18/2022 11:59	WG1944540
1,2-Dichloropropane	U		0.000149	0.00100	1	10/18/2022 11:59	WG1944540
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/18/2022 11:59	WG1944540
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/18/2022 11:59	WG1944540
Ethylbenzene	U		0.000137	0.00100	1	10/18/2022 11:59	WG1944540
Isopropylbenzene	U		0.000105	0.00100	1	10/18/2022 11:59	WG1944540
p-Isopropyltoluene	U		0.000120	0.00100	1	10/18/2022 11:59	WG1944540
2-Butanone (MEK)	U		0.00119	0.0100	1	10/18/2022 11:59	WG1944540
2-Hexanone	U		0.000787	0.0100	1	10/18/2022 11:59	WG1944540
Methylene Chloride	U		0.000430	0.00500	1	10/18/2022 11:59	WG1944540
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/18/2022 11:59	WG1944540
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/18/2022 11:59	WG1944540
Naphthalene	U	J3 J4	0.00100	0.00500	1	10/18/2022 11:59	WG1944540
n-Propylbenzene	U		0.0000993	0.00100	1	10/18/2022 11:59	WG1944540
Styrene	U		0.000118	0.00100	1	10/18/2022 11:59	WG1944540
tert-Butyl alcohol	U		0.00406	0.00500	1	10/18/2022 11:59	WG1944540
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/18/2022 11:59	WG1944540
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/18/2022 11:59	WG1944540
Tetrachloroethene	U		0.000300	0.00100	1	10/18/2022 11:59	WG1944540
Toluene	U		0.000278	0.00100	1	10/18/2022 11:59	WG1944540
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/18/2022 11:59	WG1944540
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/18/2022 11:59	WG1944540
Trichloroethene	U		0.000190	0.00100	1	10/18/2022 11:59	WG1944540
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/18/2022 11:59	WG1944540
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/18/2022 11:59	WG1944540
Vinyl chloride	U		0.000234	0.00100	1	10/18/2022 11:59	WG1944540
o-Xylene	U		0.000174	0.00100	1	10/18/2022 11:59	WG1944540
m&p-Xylene	U		0.000430	0.00200	1	10/18/2022 11:59	WG1944540
Xylenes, Total	U		0.000174	0.00300	1	10/18/2022 11:59	WG1944540
(S) Toluene-d8	*110*			*80.0-120*		*10/18/2022 11:59*	WG1944540
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/18/2022 11:59*	WG1944540
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/18/2022 11:59*	WG1944540

Method Blank (MB)

(MB) R3851899-1 10/18/22 13:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1546101-46 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-46 10/18/22 13:47 • (DUP) R3851899-3 10/18/22 13:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2160	2210	1	2.50		5

L1546101-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-53 10/18/22 13:47 • (DUP) R3851899-4 10/18/22 13:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2720	2750	1	1.10		5

Laboratory Control Sample (LCS)

(LCS) R3851899-2 10/18/22 13:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8460	96.1	77.3-123	

Method Blank (MB)

(MB) R3852388-1 10/18/22 16:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1546101-102 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-102 10/18/22 16:56 • (DUP) R3852388-3 10/18/22 16:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2990	2950	1	1.18		5

L1546101-104 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-104 10/18/22 16:56 • (DUP) R3852388-4 10/18/22 16:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2620	2710	1	3.38		5

Laboratory Control Sample (LCS)

(LCS) R3852388-2 10/18/22 16:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8630	98.1	77.3-123	

Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3853329-1 10/19/22 11:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1546101-114 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-114 10/19/22 11:49 • (DUP) R3853329-3 10/19/22 11:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2980	3110	1	4.44		5

L1546101-115 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-115 10/19/22 11:49 • (DUP) R3853329-4 10/19/22 11:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	16.0	ND	1	137	P1	5

Laboratory Control Sample (LCS)

(LCS) R3853329-2 10/19/22 11:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8370	95.1	77.3-123	

Released to Imaging: 10/3/2023 9:42:06 AM

Method Blank (MB)

(MB) R3851798-1 10/18/22 17:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1546101-88 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-88 10/18/22 17:21 • (DUP) R3851798-3 10/18/22 17:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1130	1210	1	6.41	J3	5

L1546101-89 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-89 10/18/22 17:21 • (DUP) R3851798-4 10/18/22 17:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	740	781	1	5.43	J3	5

Laboratory Control Sample (LCS)

(LCS) R3851798-2 10/18/22 17:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8590	97.6	77.3-123	

Method Blank (MB)

(MB) R3852944-1 10/19/22 15:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1546101-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-10 10/19/22 15:41 • (DUP) R3852944-3 10/19/22 15:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1800	1990	1	10.0	J3	5

L1546101-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-29 10/19/22 15:41 • (DUP) R3852944-4 10/19/22 15:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	ND	ND	1	0.000		5

Laboratory Control Sample (LCS)

(LCS) R3852944-2 10/19/22 15:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8420	95.7	77.3-123	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3852938-1 10/19/22 16:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1545935-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1545935-01 10/19/22 16:54 • (DUP) R3852938-3 10/19/22 16:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	456	437	1	4.18		5

L1545935-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1545935-02 10/19/22 16:54 • (DUP) R3852938-4 10/19/22 16:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	618	602	1	2.62		5

Laboratory Control Sample (LCS)

(LCS) R3852938-2 10/19/22 16:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	7960	90.5	77.3-123	

Method Blank (MB)

(MB) R3850115-1 10/18/22 20:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1546101-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-05 10/18/22 20:45 • (DUP) R3850115-3 10/18/22 20:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.902	0.908	1	0.663		20

L1546101-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-07 10/18/22 20:56 • (DUP) R3850115-6 10/18/22 20:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.111	0.109	1	1.82		20

Laboratory Control Sample (LCS)

(LCS) R3850115-2 10/18/22 20:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.64	106	90.0-110	

L1546101-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-05 10/18/22 20:45 • (MS) R3850115-4 10/18/22 20:48 • (MSD) R3850115-5 10/18/22 20:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.902	3.63	3.38	109	99.1	1	90.0-110			7.13	20

L1546101-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-07 10/18/22 20:56 • (MS) R3850115-7 10/18/22 20:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.111	2.62	100	1	90.0-110	

Method Blank (MB)

(MB) R3850122-1 10/18/22 22:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1546101-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-24 10/18/22 22:06 • (DUP) R3850122-3 10/18/22 22:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.170	0.169	1	0.590		20

L1546101-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-28 10/18/22 22:19 • (DUP) R3850122-6 10/18/22 22:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.288	0.285	1	1.05		20

Laboratory Control Sample (LCS)

(LCS) R3850122-2 10/18/22 22:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.55	102	90.0-110	

L1546101-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-24 10/18/22 22:06 • (MS) R3850122-4 10/18/22 22:09 • (MSD) R3850122-5 10/18/22 22:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.170	2.67	2.66	100	99.6	1	90.0-110			0.375	20

L1546101-28 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-28 10/18/22 22:19 • (MS) R3850122-7 10/18/22 22:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.288	2.82	101	1	90.0-110	

Method Blank (MB)

(MB) R3850499-1 10/19/22 14:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1546101-52 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-52 10/19/22 14:53 • (DUP) R3850499-3 10/19/22 14:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1546101-63 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-63 10/19/22 15:13 • (DUP) R3850499-6 10/19/22 15:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.527	0.524	1	0.571		20

Laboratory Control Sample (LCS)

(LCS) R3850499-2 10/19/22 14:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.66	106	90.0-110	

L1546101-52 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-52 10/19/22 14:53 • (MS) R3850499-4 10/19/22 14:56 • (MSD) R3850499-5 10/19/22 14:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.73	2.67	109	107	1	90.0-110			2.22	20

L1546101-63 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-63 10/19/22 15:13 • (MS) R3850499-7 10/19/22 15:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.527	2.80	90.9	1	90.0-110	

Method Blank (MB)

(MB) R3850567-1 10/19/22 16:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1546101-77 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-77 10/19/22 16:22 • (DUP) R3850567-3 10/19/22 16:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.313	0.311	1	0.641		20

L1546101-78 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-78 10/19/22 16:31 • (DUP) R3850567-6 10/19/22 16:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.212	0.208	1	1.90		20

Laboratory Control Sample (LCS)

(LCS) R3850567-2 10/19/22 16:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.63	105	90.0-110	

L1546101-77 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-77 10/19/22 16:22 • (MS) R3850567-4 10/19/22 16:25 • (MSD) R3850567-5 10/19/22 16:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.313	2.93	2.98	105	107	1	90.0-110			1.69	20

L1546101-78 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-78 10/19/22 16:31 • (MS) R3850567-7 10/19/22 16:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.212	2.82	104	1	90.0-110	

Method Blank (MB)

(MB) R3850637-1 10/19/22 19:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1546024-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1546024-01 10/19/22 19:22 • (DUP) R3850637-3 10/19/22 19:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1546152-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1546152-01 10/19/22 19:51 • (DUP) R3850637-6 10/19/22 19:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	1.37	1.37	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3850637-2 10/19/22 19:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.59	104	90.0-110	

L1546024-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546024-01 10/19/22 19:22 • (MS) R3850637-4 10/19/22 19:24 • (MSD) R3850637-5 10/19/22 19:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.74	2.66	110	106	1	90.0-110			2.96	20

L1546152-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546152-01 10/19/22 19:51 • (MS) R3850637-7 10/19/22 19:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	1.37	3.97	104	1	90.0-110	

Method Blank (MB)

(MB) R3851079-1 10/20/22 15:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1546012-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1546012-13 10/20/22 15:38 • (DUP) R3851079-3 10/20/22 15:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1546273-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1546273-01 10/20/22 15:47 • (DUP) R3851079-4 10/20/22 15:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3851079-2 10/20/22 15:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0971	97.1	87.1-120	

L1546273-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546273-03 10/20/22 15:49 • (MS) R3851079-5 10/20/22 15:50 • (MSD) R3851079-6 10/20/22 15:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0929	0.0914	92.9	91.4	1	90.0-110			1.63	20

L1546827-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546827-01 10/20/22 16:01 • (MS) R3851079-7 10/20/22 16:02 • (MSD) R3851079-8 10/20/22 16:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0107	0.101	0.106	90.3	95.3	1	90.0-110			4.83	20

Method Blank (MB)

(MB) R3851792-1 10/23/22 06:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1545967-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1545967-01 10/23/22 06:55 • (DUP) R3851792-3 10/23/22 06:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1546012-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1546012-01 10/23/22 06:57 • (DUP) R3851792-4 10/23/22 06:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3851792-2 10/23/22 06:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0987	98.7	87.1-120	

L1546012-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546012-02 10/23/22 06:59 • (MS) R3851792-5 10/23/22 07:00 • (MSD) R3851792-6 10/23/22 07:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0988	0.0969	98.8	96.9	1	90.0-110			1.94	20

Method Blank (MB)

(MB) R3849051-1 10/15/22 10:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1546101-105 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-105 10/15/22 19:04 • (DUP) R3849051-3 10/15/22 19:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	154	153	1	0.966		15
Fluoride	1.41	1.41	1	0.333		15
Sulfate	191	190	1	0.459		15

L1546101-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-11 10/15/22 22:45 • (DUP) R3849051-6 10/15/22 23:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3849051-2 10/15/22 10:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	41.1	103	80.0-120	
Fluoride	8.00	8.55	107	80.0-120	
Sulfate	40.0	41.8	104	80.0-120	

L1546101-105 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-105 10/15/22 19:04 • (MS) R3849051-4 10/15/22 19:38 • (MSD) R3849051-5 10/15/22 19:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	154	199	198	88.8	87.9	1	80.0-120			0.217	15
Fluoride	5.00	1.41	6.65	6.65	105	105	1	80.0-120			0.0677	15
Sulfate	50.0	191	232	234	82.5	85.8	1	80.0-120	E	E	0.708	15

L1546101-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-11 10/15/22 22:45 • (MS) R3849051-7 10/15/22 23:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	52.7	105	1	80.0-120	
Fluoride	5.00	U	5.41	108	1	80.0-120	
Sulfate	50.0	U	52.2	104	1	80.0-120	

Method Blank (MB)

(MB) R3849072-1 10/14/22 09:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1546101-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-22 10/14/22 16:56 • (DUP) R3849072-3 10/14/22 17:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1350	1350	10	0.223		15
Fluoride	2.23	2.22	10	0.121		15
Sulfate	1840	1840	10	0.177		15

L1546101-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-29 10/14/22 22:39 • (DUP) R3849072-6 10/14/22 22:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.402	0.405	1	0.718	J	15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3849072-2 10/14/22 10:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	41.3	103	80.0-120	
Fluoride	8.00	8.58	107	80.0-120	
Sulfate	40.0	41.8	104	80.0-120	

Received by OCD: 6/14/2023 2:10:34 PM

L1546101-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-22 10/14/22 16:56 • (MS) R3849072-4 10/14/22 17:30 • (MSD) R3849072-5 10/14/22 17:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	1350	1350	1320	0.000	0.000	10	80.0-120	V	V	1.93	15
Fluoride	5.00	2.23	7.07	6.93	97.0	94.2	10	80.0-120			2.01	15
Sulfate	50.0	1840	1810	1770	0.000	0.000	10	80.0-120	V	V	2.14	15

L1546101-29 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-29 10/14/22 22:39 • (MS) R3849072-7 10/14/22 23:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	0.402	52.2	104	1	80.0-120	
Fluoride	5.00	U	5.40	108	1	80.0-120	
Sulfate	50.0	U	52.2	104	1	80.0-120	

Released to Imaging: 10/3/2023 9:42:06 AM

Method Blank (MB)

(MB) R3849243-1 10/14/22 15:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1546101-44 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-44 10/14/22 18:18 • (DUP) R3849243-3 10/14/22 18:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1546101-58 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-58 10/15/22 02:50 • (DUP) R3849243-6 10/15/22 03:06

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3849243-2 10/14/22 15:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.4	96.1	80.0-120	
Fluoride	8.00	8.01	100	80.0-120	
Sulfate	40.0	39.2	98.0	80.0-120	

L1546101-44 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-44 10/14/22 18:18 • (MS) R3849243-4 10/14/22 18:50 • (MSD) R3849243-5 10/14/22 19:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	U	50.1	49.7	100	99.4	1	80.0-120			0.762	15
Fluoride	5.00	U	5.15	5.02	103	100	1	80.0-120			2.43	15
Sulfate	50.0	U	49.3	49.5	98.5	99.0	1	80.0-120			0.525	15

L1546101-58 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-58 10/15/22 02:50 • (MS) R3849243-7 10/15/22 03:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	50.1	100	1	80.0-120	
Fluoride	5.00	U	5.10	102	1	80.0-120	
Sulfate	50.0	U	50.0	99.9	1	80.0-120	

Method Blank (MB)

(MB) R3849320-1 10/15/22 10:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1546101-72 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-72 10/15/22 23:31 • (DUP) R3849320-3 10/15/22 23:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1546101-74 Original Sample (OS) • Duplicate (DUP)

(OS) L1546101-74 10/16/22 00:35 • (DUP) R3849320-8 10/16/22 01:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	58.2	58.3	1	0.188		15
Fluoride	1.58	1.57	1	0.800		15
Sulfate	562	556	1	1.15	E	15

Laboratory Control Sample (LCS)

(LCS) R3849320-2 10/15/22 10:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.2	98.0	80.0-120	
Fluoride	8.00	8.16	102	80.0-120	
Sulfate	40.0	39.4	98.4	80.0-120	

L1546101-72 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-72 10/15/22 23:31 • (MS) R3849320-4 10/16/22 00:03 • (MSD) R3849320-5 10/16/22 00:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	U	50.0	50.0	100	100	1	80.0-120			0.0384	15
Fluoride	5.00	U	5.10	5.12	102	102	1	80.0-120			0.286	15
Sulfate	50.0	U	49.8	49.9	99.6	99.9	1	80.0-120			0.311	15

L1546101-74 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546101-74 10/16/22 00:35 • (MS) R3849320-9 10/16/22 01:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	58.2	111	105	1	80.0-120	
Fluoride	5.00	1.58	6.93	107	1	80.0-120	
Sulfate	50.0	562	575	26.8	1	80.0-120	E V

Method Blank (MB)

(MB) R3849712-1 10/17/22 15:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1547156-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1547156-04 10/17/22 20:10 • (DUP) R3849712-3 10/17/22 20:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.4	16.9	1	2.80		15
Fluoride	0.292	0.276	1	5.74		15
Sulfate	111	108	1	2.74		15

L1546105-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1546105-03 10/18/22 03:52 • (DUP) R3849712-6 10/18/22 04:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	132	130	1	1.37		15
Fluoride	0.369	0.352	1	4.55		15
Sulfate	31.3	30.8	1	1.70		15

Laboratory Control Sample (LCS)

(LCS) R3849712-2 10/17/22 15:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	8.22	103	80.0-120	
Sulfate	40.0	40.7	102	80.0-120	

L1546101-88 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-88 10/17/22 20:36 • (MS) R3849712-4 10/17/22 20:49 • (MSD) R3849712-5 10/17/22 21:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	177	220	227	87.3	101	1	80.0-120	E	E	3.02	15
Fluoride	5.00	1.10	6.55	6.64	109	111	1	80.0-120			1.34	15
Sulfate	50.0	114	159	164	90.0	101	1	80.0-120			3.34	15

L1546105-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546105-03 10/18/22 03:52 • (MS) R3849712-7 10/18/22 04:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	132	173	83.5	1	80.0-120	
Fluoride	5.00	0.369	5.74	107	1	80.0-120	
Sulfate	50.0	31.3	79.3	95.9	1	80.0-120	

Method Blank (MB)

(MB) R3849841-1 10/17/22 15:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1546700-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1546700-01 10/18/22 01:10 • (DUP) R3849841-3 10/18/22 01:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.80	1.77	1	1.44		15
Fluoride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1546700-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1546700-02 10/18/22 02:45 • (DUP) R3849841-6 10/18/22 03:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	18.3	18.8	1	2.61		15
Fluoride	0.0669	0.0671	1	0.299	J	15
Sulfate	0.863	0.837	1	3.11	J	15

Laboratory Control Sample (LCS)

(LCS) R3849841-2 10/17/22 15:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	8.37	105	80.0-120	
Sulfate	40.0	39.1	97.9	80.0-120	

L1546700-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546700-01 10/18/22 01:10 • (MS) R3849841-4 10/18/22 02:13 • (MSD) R3849841-5 10/18/22 02:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	1.80	51.8	51.6	99.9	99.7	1	80.0-120			0.247	15
Fluoride	5.00	U	4.96	4.99	99.2	99.7	1	80.0-120			0.491	15
Sulfate	50.0	U	49.1	48.7	98.1	97.5	1	80.0-120			0.701	15

L1546700-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1546700-02 10/18/22 02:45 • (MS) R3849841-7 10/18/22 03:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	18.3	67.9	99.1	1	80.0-120	
Fluoride	5.00	0.0669	4.94	97.4	1	80.0-120	
Sulfate	50.0	0.863	49.0	96.3	1	80.0-120	

Method Blank (MB)

(MB) R3849805-1 10/18/22 03:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1545935-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1545935-35 10/18/22 04:41 • (DUP) R3849805-3 10/18/22 04:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	75.8	75.5	1	0.425		15

L1547046-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1547046-03 10/18/22 08:38 • (DUP) R3849805-6 10/18/22 08:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.9	10.9	1	0.117		15
Fluoride	U	U	1	0.000		15
Sulfate	0.729	0.836	1	13.7	J	15

Laboratory Control Sample (LCS)

(LCS) R3849805-2 10/18/22 03:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.8	102	80.0-120	
Fluoride	8.00	8.42	105	80.0-120	
Sulfate	40.0	41.3	103	80.0-120	

L1545935-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1545935-35 10/18/22 04:41 • (MS) R3849805-4 10/18/22 05:31 • (MSD) R3849805-5 10/18/22 05:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	75.8	122	122	92.7	91.9	1	80.0-120			0.323	15

L1547046-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1547046-03 10/18/22 08:38 • (MS) R3849805-7 10/18/22 09:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	10.9	61.3	101	1	80.0-120	
Fluoride	5.00	U	5.36	107	1	80.0-120	
Sulfate	50.0	0.729	51.4	101	1	80.0-120	

Method Blank (MB)

(MB) R3853275-1 10/26/22 12:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3853275-2 10/26/22 12:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00274	91.5	80.0-120	

L1546012-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546012-16 10/26/22 12:47 • (MS) R3853275-3 10/26/22 12:53 • (MSD) R3853275-4 10/26/22 12:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00207	0.00209	68.9	69.6	1	75.0-125	J6	J6	1.03	20

Method Blank (MB)

(MB) R3852442-1 10/24/22 21:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R3852442-2 10/24/22 21:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.939	93.9	80.0-120	

L1546101-53 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-53 10/25/22 08:51 • (MS) R3852703-4 10/25/22 08:57 • (MSD) R3852703-5 10/25/22 09:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.116	1.07	1.08	95.3	96.0	1	75.0-125			0.733	20

Method Blank (MB)

(MB) R3852421-1 10/24/22 17:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R3852421-2 10/24/22 17:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.955	95.5	80.0-120	

L1544593-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1544593-13 10/24/22 17:34 • (MS) R3852421-4 10/24/22 17:40 • (MSD) R3852421-5 10/24/22 17:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	1.36	2.31	2.30	94.5	93.5	1	75.0-125			0.438	20

Method Blank (MB)

(MB) R3854008-1 10/27/22 08:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R3854008-2 10/27/22 08:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.984	98.4	80.0-120	

L1546098-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546098-07 10/27/22 08:45 • (MS) R3854008-4 10/27/22 08:51 • (MSD) R3854008-5 10/27/22 08:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	2.81	3.77	3.75	96.3	94.0	1	75.0-125			0.607	20

Method Blank (MB)

(MB) R3855226-1 10/31/22 18:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R3855226-2 10/31/22 18:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0492	98.5	80.0-120	
Barium	0.0500	0.0494	98.8	80.0-120	
Calcium	5.00	5.01	100	80.0-120	
Chromium	0.0500	0.0501	100	80.0-120	
Iron	5.00	5.01	100	80.0-120	
Lead	0.0500	0.0505	101	80.0-120	
Manganese	0.0500	0.0499	99.7	80.0-120	
Potassium	5.00	4.99	99.9	80.0-120	
Selenium	0.0500	0.0511	102	80.0-120	
Sodium	5.00	4.88	97.6	80.0-120	

L1546101-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-01 10/31/22 18:31 • (MS) R3855226-4 10/31/22 18:37 • (MSD) R3855226-5 10/31/22 18:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00257	0.0512	0.0530	97.3	101	10	75.0-125			3.44	20
Barium	0.0500	0.0124	0.0609	0.0629	97.0	101	10	75.0-125			3.20	20
Calcium	5.00	662	665	679	50.1	328	10	75.0-125	V	V	2.07	20
Chromium	0.0500	U	0.0479	0.0484	95.9	96.8	10	75.0-125			0.948	20
Iron	5.00	4.24	8.98	9.13	94.7	97.8	10	75.0-125			1.70	20
Lead	0.0500	U	0.0455	0.0473	91.0	94.6	10	75.0-125			3.90	20
Manganese	0.0500	1.41	1.44	1.49	61.6	162	10	75.0-125	V	V	3.45	20

L1546101-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-01 10/31/22 18:31 • (MS) R3855226-4 10/31/22 18:37 • (MSD) R3855226-5 10/31/22 18:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	3.17	7.86	8.09	93.8	98.4	10	75.0-125			2.89	20
Selenium	0.0500	U	0.0552	0.0552	110	110	10	75.0-125			0.0207	20
Sodium	5.00	1450	1420	1460	0.000	173	10	75.0-125	V	V	2.60	20

Method Blank (MB)

(MB) R3855328-1 10/31/22 15:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R3855328-2 10/31/22 15:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0499	99.7	80.0-120	
Barium	0.0500	0.0485	97.0	80.0-120	
Cadmium	0.0500	0.0526	105	80.0-120	
Calcium	5.00	5.01	100	80.0-120	
Chromium	0.0500	0.0512	102	80.0-120	
Cobalt	0.0500	0.0515	103	80.0-120	
Iron	5.00	5.06	101	80.0-120	
Lead	0.0500	0.0503	101	80.0-120	
Manganese	0.0500	0.0509	102	80.0-120	
Nickel	0.0500	0.0516	103	80.0-120	
Potassium	5.00	4.99	99.8	80.0-120	
Selenium	0.0500	0.0513	103	80.0-120	
Sodium	5.00	5.10	102	80.0-120	
Uranium	0.0500	0.0512	102	80.0-120	
Vanadium	0.0500	0.0503	101	80.0-120	

L1546101-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-08 10/31/22 15:18 • (MS) R3855328-3 10/31/22 15:25 • (MSD) R3855328-4 10/31/22 15:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00876	0.0628	0.0614	108	105	1	75.0-125			2.13	20
Barium	0.0500	0.0241	0.0765	0.0759	105	103	1	75.0-125			0.793	20
Cadmium	0.0500	U	0.0490	0.0485	98.0	96.9	1	75.0-125			1.04	20
Calcium	5.00	788	794	796	137	174	1	75.0-125	V	V	0.231	20
Chromium	0.0500	U	0.0513	0.0501	103	100	1	75.0-125			2.33	20
Cobalt	0.0500	0.000415	0.0507	0.0498	100	98.9	1	75.0-125			1.61	20
Iron	5.00	3.32	8.43	8.38	102	101	1	75.0-125			0.583	20
Lead	0.0500	U	0.0502	0.0489	100	97.8	1	75.0-125			2.56	20
Manganese	0.0500	1.82	1.89	1.86	134	79.6	1	75.0-125	V		1.46	20
Nickel	0.0500	0.00304	0.0526	0.0514	99.1	96.6	1	75.0-125			2.35	20
Potassium	5.00	12.9	17.7	17.7	95.7	94.7	1	75.0-125			0.289	20
Selenium	0.0500	0.000730	0.0561	0.0556	111	110	1	75.0-125			0.766	20
Sodium	5.00	2530	2510	2500	0.000	0.000	1	75.0-125	E V	E V	0.340	20
Uranium	0.0500	0.00161	0.0548	0.0535	106	104	1	75.0-125			2.40	20
Vanadium	0.0500	0.000664	0.0532	0.0520	105	103	1	75.0-125			2.30	20

Method Blank (MB)

(MB) R3855240-1 10/31/22 20:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Method Blank (MB)

(MB) R3855668-1 11/01/22 14:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium	U		0.000381	0.00200

Laboratory Control Sample (LCS)

(LCS) R3855240-2 10/31/22 20:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0508	102	80.0-120	
Cadmium	0.0500	0.0526	105	80.0-120	
Calcium	5.00	4.96	99.2	80.0-120	
Chromium	0.0500	0.0514	103	80.0-120	
Cobalt	0.0500	0.0534	107	80.0-120	
Iron	5.00	5.22	104	80.0-120	
Lead	0.0500	0.0486	97.2	80.0-120	
Manganese	0.0500	0.0499	99.8	80.0-120	
Nickel	0.0500	0.0537	107	80.0-120	
Potassium	5.00	4.60	92.1	80.0-120	
Selenium	0.0500	0.0487	97.4	80.0-120	
Sodium	5.00	5.09	102	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3855240-2 10/31/22 20:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	0.0500	0.0493	98.5	80.0-120	
Vanadium	0.0500	0.0514	103	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3855668-2 11/01/22 15:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	0.0500	0.0480	96.0	80.0-120	

L1546101-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-21 10/31/22 20:07 • (MS) R3855240-4 10/31/22 20:14 • (MSD) R3855240-5 10/31/22 20:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0194	0.0715	0.0699	104	101	10	75.0-125			2.29	20
Cadmium	0.0500	U	0.0509	0.0511	102	102	10	75.0-125			0.340	20
Calcium	5.00	507	500	508	0.000	19.4	10	75.0-125	V	V	1.64	20
Chromium	0.0500	U	0.0483	0.0485	96.7	97.1	10	75.0-125			0.404	20
Cobalt	0.0500	0.00908	0.0607	0.0602	103	102	10	75.0-125			0.875	20
Iron	5.00	U	4.95	4.95	99.0	99.0	10	75.0-125			0.0145	20
Lead	0.0500	U	0.0481	0.0484	96.1	96.9	10	75.0-125			0.780	20
Manganese	0.0500	3.28	3.32	3.33	73.3	101	10	75.0-125	V		0.411	20
Nickel	0.0500	0.0259	0.0777	0.0767	103	102	10	75.0-125			1.22	20
Potassium	5.00	2.87	7.31	7.36	88.7	89.8	10	75.0-125			0.751	20
Selenium	0.0500	U	0.0482	0.0449	96.3	89.8	10	75.0-125			7.06	20
Sodium	5.00	1040	1050	1030	144	0.000	10	75.0-125	V	V	1.79	20
Uranium	0.0500	0.00519	0.0550	0.0549	99.6	99.4	10	75.0-125			0.129	20
Vanadium	0.0500	U	0.0552	0.0537	110	107	10	75.0-125			2.73	20

L1546101-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-21 11/01/22 15:04 • (MS) R3855668-4 11/01/22 15:10 • (MSD) R3855668-5 11/01/22 15:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	0.0500	0.0317	0.0823	0.0801	101	96.8	10	75.0-125			2.67	20

Method Blank (MB)

(MB) R3855209-1 10/31/22 16:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R3855209-2 10/31/22 16:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0490	98.1	80.0-120	
Barium	0.0500	0.0481	96.3	80.0-120	
Cadmium	0.0500	0.0528	106	80.0-120	
Calcium	5.00	5.10	102	80.0-120	
Chromium	0.0500	0.0491	98.1	80.0-120	
Cobalt	0.0500	0.0493	98.6	80.0-120	
Iron	5.00	4.81	96.1	80.0-120	
Lead	0.0500	0.0504	101	80.0-120	
Manganese	0.0500	0.0490	98.0	80.0-120	
Nickel	0.0500	0.0489	97.8	80.0-120	
Potassium	5.00	4.97	99.4	80.0-120	
Selenium	0.0500	0.0527	105	80.0-120	
Sodium	5.00	5.13	103	80.0-120	
Uranium	0.0500	0.0507	101	80.0-120	
Vanadium	0.0500	0.0493	98.7	80.0-120	

L1546101-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-36 10/31/22 16:47 • (MS) R3855209-4 10/31/22 16:54 • (MSD) R3855209-5 10/31/22 16:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0159	0.0653	0.0665	98.9	101	10	75.0-125			1.76	20
Barium	0.0500	0.0270	0.0767	0.0790	99.5	104	10	75.0-125			2.99	20
Cadmium	0.0500	U	0.0489	0.0517	97.8	103	10	75.0-125			5.65	20
Calcium	5.00	819	835	835	318	322	10	75.0-125	V	V	0.0215	20
Chromium	0.0500	U	0.0491	0.0498	98.1	99.5	10	75.0-125			1.46	20
Cobalt	0.0500	U	0.0474	0.0489	94.8	97.8	10	75.0-125			3.18	20
Iron	5.00	12.2	16.8	17.0	92.3	96.8	10	75.0-125			1.33	20
Lead	0.0500	U	0.0488	0.0490	97.7	98.0	10	75.0-125			0.278	20
Manganese	0.0500	0.436	0.482	0.483	91.3	92.6	10	75.0-125			0.140	20
Nickel	0.0500	U	0.0463	0.0485	92.5	97.0	10	75.0-125			4.74	20
Potassium	5.00	31.7	36.9	37.0	105	106	10	75.0-125			0.253	20
Selenium	0.0500	U	0.0495	0.0532	99.0	106	10	75.0-125			7.28	20
Sodium	5.00	3010	3000	2980	0.000	0.000	10	75.0-125	V	V	0.688	20
Uranium	0.0500	0.00160	0.0501	0.0527	97.0	102	10	75.0-125			5.08	20
Vanadium	0.0500	U	0.0490	0.0498	98.0	99.6	10	75.0-125			1.67	20

Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3854650-1 10/29/22 22:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	0.00133	J	0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R3854650-2 10/29/22 22:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0502	100	80.0-120	
Barium	0.0500	0.0487	97.3	80.0-120	
Cadmium	0.0500	0.0532	106	80.0-120	
Calcium	5.00	5.05	101	80.0-120	
Chromium	0.0500	0.0523	105	80.0-120	
Cobalt	0.0500	0.0532	106	80.0-120	
Iron	5.00	5.24	105	80.0-120	
Lead	0.0500	0.0501	100	80.0-120	
Manganese	0.0500	0.0511	102	80.0-120	
Nickel	0.0500	0.0524	105	80.0-120	
Potassium	5.00	4.76	95.1	80.0-120	
Selenium	0.0500	0.0539	108	80.0-120	
Sodium	5.00	5.22	104	80.0-120	
Uranium	0.0500	0.0489	97.8	80.0-120	
Vanadium	0.0500	0.0522	104	80.0-120	

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L1546101-58 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-58 10/29/22 22:23 • (MS) R3854650-4 10/29/22 22:30 • (MSD) R3854650-5 10/29/22 22:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	U	0.0486	0.0501	97.2	100	1	75.0-125			3.01	20
Barium	0.0500	0.00112	0.0488	0.0484	95.3	94.6	1	75.0-125			0.706	20
Cadmium	0.0500	U	0.0525	0.0526	105	105	1	75.0-125			0.272	20
Calcium	5.00	0.358	5.28	5.35	98.5	99.8	1	75.0-125			1.21	20
Chromium	0.0500	U	0.0510	0.0521	102	104	1	75.0-125			2.13	20
Cobalt	0.0500	U	0.0512	0.0524	102	105	1	75.0-125			2.37	20
Iron	5.00	U	4.91	5.07	98.2	101	1	75.0-125			3.30	20
Lead	0.0500	U	0.0504	0.0510	101	102	1	75.0-125			1.32	20
Manganese	0.0500	U	0.0499	0.0512	99.7	102	1	75.0-125			2.61	20
Nickel	0.0500	U	0.0505	0.0514	101	103	1	75.0-125			1.81	20
Potassium	5.00	U	4.76	4.86	95.3	97.1	1	75.0-125			1.96	20
Selenium	0.0500	U	0.0521	0.0529	104	106	1	75.0-125			1.48	20
Sodium	5.00	0.665	5.90	5.91	105	105	1	75.0-125			0.266	20
Uranium	0.0500	U	0.0484	0.0494	96.8	98.8	1	75.0-125			2.12	20
Vanadium	0.0500	U	0.0503	0.0511	101	102	1	75.0-125			1.61	20

Method Blank (MB)

(MB) R3854705-1 10/30/22 13:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R3854705-2 10/30/22 14:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0509	102	80.0-120	
Barium	0.0500	0.0496	99.3	80.0-120	
Cadmium	0.0500	0.0513	103	80.0-120	
Calcium	5.00	5.04	101	80.0-120	
Chromium	0.0500	0.0520	104	80.0-120	
Cobalt	0.0500	0.0518	104	80.0-120	
Iron	5.00	5.03	101	80.0-120	
Lead	0.0500	0.0503	101	80.0-120	
Manganese	0.0500	0.0516	103	80.0-120	
Nickel	0.0500	0.0524	105	80.0-120	
Potassium	5.00	4.99	99.8	80.0-120	
Selenium	0.0500	0.0526	105	80.0-120	
Sodium	5.00	5.25	105	80.0-120	
Uranium	0.0500	0.0516	103	80.0-120	
Vanadium	0.0500	0.0512	102	80.0-120	

L1546101-81 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-81 10/30/22 14:05 • (MS) R3854705-4 10/30/22 14:12 • (MSD) R3854705-5 10/30/22 14:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00307	0.0563	0.0572	107	108	1	75.0-125			1.54	20
Barium	0.0500	0.00746	0.0597	0.0605	104	106	1	75.0-125			1.46	20
Cadmium	0.0500	U	0.0520	0.0512	104	102	1	75.0-125			1.56	20
Calcium	5.00	572	571	581	0.000	184	1	75.0-125	V	V	1.81	20
Chromium	0.0500	U	0.0524	0.0541	105	108	1	75.0-125			3.16	20
Cobalt	0.0500	0.000209	0.0518	0.0531	103	106	1	75.0-125			2.46	20
Iron	5.00	0.0731	5.28	5.40	104	107	1	75.0-125			2.33	20
Lead	0.0500	0.00130	0.0528	0.0528	103	103	1	75.0-125			0.0494	20
Manganese	0.0500	0.00866	0.0598	0.0616	102	106	1	75.0-125			3.00	20
Nickel	0.0500	0.00243	0.0528	0.0542	101	104	1	75.0-125			2.56	20
Potassium	5.00	0.726	5.73	5.70	100	99.4	1	75.0-125			0.514	20
Selenium	0.0500	0.0229	0.0800	0.0800	114	114	1	75.0-125			0.107	20
Sodium	5.00	672	672	676	0.000	71.8	1	75.0-125	V	V	0.567	20
Uranium	0.0500	0.0341	0.0906	0.0892	113	110	1	75.0-125			1.48	20
Vanadium	0.0500	0.0233	0.0770	0.0786	107	111	1	75.0-125			2.03	20

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Method Blank (MB)

(MB) R3850605-2 10/18/22 19:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3850605-1 10/18/22 18:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.97	90.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

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Method Blank (MB)

(MB) R3850383-2 10/19/22 11:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3850383-1 10/19/22 10:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.73	86.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

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Method Blank (MB)

(MB) R3852092-2 10/19/22 22:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3852092-1 10/19/22 21:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.99	90.7	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*96.5*	*78.0-120*	

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Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3851524-2 10/19/22 11:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3851524-1 10/19/22 10:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.71	85.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*97.5*	*78.0-120*	

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Method Blank (MB)

(MB) R3852392-2 10/20/22 09:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3852392-1 10/20/22 08:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.68	85.1	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

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Method Blank (MB)

(MB) R3851030-3 10/20/22 10:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0475	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3851030-2 10/20/22 08:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.81	87.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*112*	*78.0-120*	

Released to Imaging: 10/3/2023 9:42:06 AM

Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3852393-2 10/20/22 09:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3852393-1 10/20/22 08:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.68	85.1	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

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Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3852339-2 10/20/22 13:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3852339-1 10/20/22 11:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.36	97.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

Released to Imaging: 10/3/2023 9:42:06 AM

Method Blank (MB)

(MB) R3851998-3 10/21/22 19:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0369	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3851998-2 10/21/22 18:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.90	89.1	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*112*	*78.0-120*	

L1546676-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546676-01 10/21/22 22:42 • (MS) R3851998-4 10/22/22 05:40 • (MSD) R3851998-5 10/22/22 06:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	138	28.0	46.4	52.9	13.3	18.0	25	10.0-160			13.1	22
(S) a,a,a-Trifluorotoluene(FID)					*105*	*106*		*78.0-120*				

Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3853267-2 10/25/22 11:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0452	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3853267-1 10/25/22 09:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.91	89.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*78.0-120*	

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Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3853197-3 10/25/22 22:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0416	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3853197-2 10/25/22 21:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.91	89.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*113*	*78.0-120*	

Released to Imaging: 10/3/2023 9:42:06 AM

Method Blank (MB)

(MB) R3850641-3 10/15/22 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3850641-3 10/15/22 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850641-1 10/15/22 14:15 • (LCSD) R3850641-2 10/15/22 14:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0260	0.0270	104	108	19.0-160			3.77	27
Benzene	0.00500	0.00488	0.00478	97.6	95.6	70.0-123			2.07	20
Bromodichloromethane	0.00500	0.00460	0.00446	92.0	89.2	75.0-120			3.09	20
Bromoform	0.00500	0.00307	0.00305	61.4	61.0	68.0-132	J4	J4	0.654	20
Bromomethane	0.00500	0.00691	0.00656	138	131	10.0-160			5.20	25
n-Butylbenzene	0.00500	0.00478	0.00460	95.6	92.0	73.0-125			3.84	20
sec-Butylbenzene	0.00500	0.00509	0.00497	102	99.4	75.0-125			2.39	20
Carbon disulfide	0.00500	0.00466	0.00457	93.2	91.4	61.0-128			1.95	20
Carbon tetrachloride	0.00500	0.00497	0.00475	99.4	95.0	68.0-126			4.53	20
Chlorobenzene	0.00500	0.00488	0.00475	97.6	95.0	80.0-121			2.70	20
Chlorodibromomethane	0.00500	0.00395	0.00383	79.0	76.6	77.0-125		J4	3.08	20
Chloroethane	0.00500	0.00547	0.00565	109	113	47.0-150			3.24	20
Chloroform	0.00500	0.00480	0.00467	96.0	93.4	73.0-120			2.75	20
Chloromethane	0.00500	0.00515	0.00483	103	96.6	41.0-142			6.41	20
1,2-Dibromoethane	0.00500	0.00477	0.00478	95.4	95.6	80.0-122			0.209	20
1,1-Dichloroethane	0.00500	0.00497	0.00481	99.4	96.2	70.0-126			3.27	20
1,2-Dichloroethane	0.00500	0.00461	0.00468	92.2	93.6	70.0-128			1.51	20
1,1-Dichloroethene	0.00500	0.00506	0.00485	101	97.0	71.0-124			4.24	20
cis-1,2-Dichloroethene	0.00500	0.00460	0.00450	92.0	90.0	73.0-120			2.20	20
trans-1,2-Dichloroethene	0.00500	0.00502	0.00505	100	101	73.0-120			0.596	20
1,2-Dichloropropane	0.00500	0.00493	0.00473	98.6	94.6	77.0-125			4.14	20
cis-1,3-Dichloropropene	0.00500	0.00442	0.00418	88.4	83.6	80.0-123			5.58	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850641-1 10/15/22 14:15 • (LCSD) R3850641-2 10/15/22 14:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00437	0.00422	87.4	84.4	78.0-124			3.49	20
Ethylbenzene	0.00500	0.00473	0.00483	94.6	96.6	79.0-123			2.09	20
Isopropylbenzene	0.00500	0.00487	0.00484	97.4	96.8	76.0-127			0.618	20
p-Isopropyltoluene	0.00500	0.00521	0.00503	104	101	76.0-125			3.52	20
2-Butanone (MEK)	0.0250	0.0262	0.0271	105	108	44.0-160			3.38	20
2-Hexanone	0.0250	0.0273	0.0268	109	107	67.0-149			1.85	20
Methylene Chloride	0.00500	0.00456	0.00453	91.2	90.6	67.0-120			0.660	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0261	0.0264	104	106	68.0-142			1.14	20
Methyl tert-butyl ether	0.00500	0.00473	0.00468	94.6	93.6	68.0-125			1.06	20
Naphthalene	0.00500	0.00440	0.00452	88.0	90.4	54.0-135			2.69	20
n-Propylbenzene	0.00500	0.00531	0.00521	106	104	77.0-124			1.90	20
Styrene	0.00500	0.00448	0.00447	89.6	89.4	73.0-130			0.223	20
tert-Butyl alcohol	0.0250	0.0249	0.0239	99.6	95.6	27.0-160			4.10	30
1,1,1,2-Tetrachloroethane	0.00500	0.00450	0.00428	90.0	85.6	75.0-125			5.01	20
1,1,2,2-Tetrachloroethane	0.00500	0.00544	0.00541	109	108	65.0-130			0.553	20
Tetrachloroethene	0.00500	0.00497	0.00485	99.4	97.0	72.0-132			2.44	20
Toluene	0.00500	0.00492	0.00482	98.4	96.4	79.0-120			2.05	20
1,1,1-Trichloroethane	0.00500	0.00526	0.00520	105	104	73.0-124			1.15	20
1,1,2-Trichloroethane	0.00500	0.00478	0.00458	95.6	91.6	80.0-120			4.27	20
Trichloroethene	0.00500	0.00486	0.00468	97.2	93.6	78.0-124			3.77	20
1,2,4-Trimethylbenzene	0.00500	0.00492	0.00519	98.4	104	76.0-121			5.34	20
1,3,5-Trimethylbenzene	0.00500	0.00515	0.00515	103	103	76.0-122			0.000	20
Vinyl chloride	0.00500	0.00549	0.00522	110	104	67.0-131			5.04	20
o-Xylene	0.00500	0.00467	0.00460	93.4	92.0	80.0-122			1.51	20
m&p-Xylenes	0.0100	0.00967	0.00930	96.7	93.0	80.0-122			3.90	20
Xylenes, Total	0.0150	0.0143	0.0139	95.3	92.7	79.0-123			2.84	20
(S) Toluene-d8				*97.4*	*98.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.9*	*89.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*89.0*	*87.3*	*70.0-130*				

Method Blank (MB)

(MB) R3849680-3 10/16/22 00:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3849680-3 10/16/22 00:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849680-1 10/15/22 23:11 • (LCSD) R3849680-2 10/15/22 23:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0293	0.0290	117	116	19.0-160			1.03	27
Benzene	0.00500	0.00494	0.00507	98.8	101	70.0-123			2.60	20
Bromodichloromethane	0.00500	0.00493	0.00486	98.6	97.2	75.0-120			1.43	20
Bromoform	0.00500	0.00437	0.00483	87.4	96.6	68.0-132			10.0	20
Bromomethane	0.00500	0.00510	0.00566	102	113	10.0-160			10.4	25
n-Butylbenzene	0.00500	0.00515	0.00496	103	99.2	73.0-125			3.76	20
sec-Butylbenzene	0.00500	0.00576	0.00550	115	110	75.0-125			4.62	20
Carbon disulfide	0.00500	0.00484	0.00481	96.8	96.2	61.0-128			0.622	20
Carbon tetrachloride	0.00500	0.00490	0.00540	98.0	108	68.0-126			9.71	20
Chlorobenzene	0.00500	0.00479	0.00488	95.8	97.6	80.0-121			1.86	20
Chlorodibromomethane	0.00500	0.00472	0.00493	94.4	98.6	77.0-125			4.35	20
Chloroethane	0.00500	0.00484	0.00515	96.8	103	47.0-150			6.21	20
Chloroform	0.00500	0.00523	0.00514	105	103	73.0-120			1.74	20
Chloromethane	0.00500	0.00518	0.00535	104	107	41.0-142			3.23	20
1,2-Dibromoethane	0.00500	0.00468	0.00481	93.6	96.2	80.0-122			2.74	20
1,1-Dichloroethane	0.00500	0.00529	0.00523	106	105	70.0-126			1.14	20
1,2-Dichloroethane	0.00500	0.00496	0.00499	99.2	99.8	70.0-128			0.603	20
1,1-Dichloroethene	0.00500	0.00538	0.00519	108	104	71.0-124			3.60	20
cis-1,2-Dichloroethene	0.00500	0.00517	0.00529	103	106	73.0-120			2.29	20
trans-1,2-Dichloroethene	0.00500	0.00549	0.00535	110	107	73.0-120			2.58	20
1,2-Dichloropropane	0.00500	0.00512	0.00494	102	98.8	77.0-125			3.58	20
cis-1,3-Dichloropropene	0.00500	0.00519	0.00508	104	102	80.0-123			2.14	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849680-1 10/15/22 23:11 • (LCSD) R3849680-2 10/15/22 23:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00470	0.00485	94.0	97.0	78.0-124			3.14	20
Ethylbenzene	0.00500	0.00484	0.00492	96.8	98.4	79.0-123			1.64	20
Isopropylbenzene	0.00500	0.00502	0.00523	100	105	76.0-127			4.10	20
p-Isopropyltoluene	0.00500	0.00552	0.00545	110	109	76.0-125			1.28	20
2-Butanone (MEK)	0.0250	0.0267	0.0255	107	102	44.0-160			4.60	20
2-Hexanone	0.0250	0.0245	0.0252	98.0	101	67.0-149			2.82	20
Methylene Chloride	0.00500	0.00526	0.00561	105	112	67.0-120			6.44	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0261	0.0264	104	106	68.0-142			1.14	20
Methyl tert-butyl ether	0.00500	0.00506	0.00522	101	104	68.0-125			3.11	20
Naphthalene	0.00500	0.00629	0.00600	126	120	54.0-135			4.72	20
n-Propylbenzene	0.00500	0.00481	0.00470	96.2	94.0	77.0-124			2.31	20
Styrene	0.00500	0.00470	0.00480	94.0	96.0	73.0-130			2.11	20
tert-Butyl alcohol	0.0250	0.0270	0.0262	108	105	27.0-160			3.01	30
1,1,1,2-Tetrachloroethane	0.00500	0.00490	0.00495	98.0	99.0	75.0-125			1.02	20
1,1,2,2-Tetrachloroethane	0.00500	0.00477	0.00447	95.4	89.4	65.0-130			6.49	20
Tetrachloroethene	0.00500	0.00558	0.00519	112	104	72.0-132			7.24	20
Toluene	0.00500	0.00494	0.00479	98.8	95.8	79.0-120			3.08	20
1,1,1-Trichloroethane	0.00500	0.00547	0.00539	109	108	73.0-124			1.47	20
1,1,2-Trichloroethane	0.00500	0.00469	0.00497	93.8	99.4	80.0-120			5.80	20
Trichloroethene	0.00500	0.00523	0.00516	105	103	78.0-124			1.35	20
1,2,4-Trimethylbenzene	0.00500	0.00508	0.00470	102	94.0	76.0-121			7.77	20
1,3,5-Trimethylbenzene	0.00500	0.00514	0.00489	103	97.8	76.0-122			4.99	20
Vinyl chloride	0.00500	0.00445	0.00485	89.0	97.0	67.0-131			8.60	20
o-Xylene	0.00500	0.00490	0.00511	98.0	102	80.0-122			4.20	20
m&p-Xylenes	0.0100	0.0101	0.0100	101	100	80.0-122			0.995	20
Xylenes, Total	0.0150	0.0150	0.0151	100	101	79.0-123			0.664	20
(S) Toluene-d8				*95.4*	*97.5*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.9*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*97.7*	*99.5*	*70.0-130*				

Method Blank (MB)

(MB) R3849542-3 10/16/22 11:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3849542-3 10/16/22 11:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849542-1 10/16/22 10:31 • (LCSD) R3849542-2 10/16/22 10:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0238	0.0231	95.2	92.4	19.0-160			2.99	27
Benzene	0.00500	0.00526	0.00537	105	107	70.0-123			2.07	20
Bromodichloromethane	0.00500	0.00496	0.00499	99.2	99.8	75.0-120			0.603	20
Bromoform	0.00500	0.00443	0.00455	88.6	91.0	68.0-132			2.67	20
Bromomethane	0.00500	0.00400	0.00403	80.0	80.6	10.0-160			0.747	25
n-Butylbenzene	0.00500	0.00504	0.00523	101	105	73.0-125			3.70	20
sec-Butylbenzene	0.00500	0.00518	0.00565	104	113	75.0-125			8.68	20
Carbon disulfide	0.00500	0.00490	0.00488	98.0	97.6	61.0-128			0.409	20
Carbon tetrachloride	0.00500	0.00505	0.00490	101	98.0	68.0-126			3.02	20
Chlorobenzene	0.00500	0.00508	0.00518	102	104	80.0-121			1.95	20
Chlorodibromomethane	0.00500	0.00475	0.00487	95.0	97.4	77.0-125			2.49	20
Chloroethane	0.00500	0.00378	0.00371	75.6	74.2	47.0-150			1.87	20
Chloroform	0.00500	0.00518	0.00506	104	101	73.0-120			2.34	20
Chloromethane	0.00500	0.00426	0.00430	85.2	86.0	41.0-142			0.935	20
1,2-Dibromoethane	0.00500	0.00484	0.00490	96.8	98.0	80.0-122			1.23	20
1,1-Dichloroethane	0.00500	0.00460	0.00450	92.0	90.0	70.0-126			2.20	20
1,2-Dichloroethane	0.00500	0.00466	0.00472	93.2	94.4	70.0-128			1.28	20
1,1-Dichloroethene	0.00500	0.00520	0.00524	104	105	71.0-124			0.766	20
cis-1,2-Dichloroethene	0.00500	0.00511	0.00500	102	100	73.0-120			2.18	20
trans-1,2-Dichloroethene	0.00500	0.00528	0.00537	106	107	73.0-120			1.69	20
1,2-Dichloropropane	0.00500	0.00447	0.00465	89.4	93.0	77.0-125			3.95	20
cis-1,3-Dichloropropene	0.00500	0.00486	0.00491	97.2	98.2	80.0-123			1.02	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849542-1 10/16/22 10:31 • (LCSD) R3849542-2 10/16/22 10:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00439	0.00452	87.8	90.4	78.0-124			2.92	20
Ethylbenzene	0.00500	0.00510	0.00514	102	103	79.0-123			0.781	20
Isopropylbenzene	0.00500	0.00506	0.00511	101	102	76.0-127			0.983	20
p-Isopropyltoluene	0.00500	0.00541	0.00556	108	111	76.0-125			2.73	20
2-Butanone (MEK)	0.0250	0.0206	0.0247	82.4	98.8	44.0-160			18.1	20
2-Hexanone	0.0250	0.0210	0.0216	84.0	86.4	67.0-149			2.82	20
Methylene Chloride	0.00500	0.00483	0.00491	96.6	98.2	67.0-120			1.64	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0231	0.0239	92.4	95.6	68.0-142			3.40	20
Methyl tert-butyl ether	0.00500	0.00501	0.00516	100	103	68.0-125			2.95	20
Naphthalene	0.00500	0.00459	0.00497	91.8	99.4	54.0-135			7.95	20
n-Propylbenzene	0.00500	0.00534	0.00551	107	110	77.0-124			3.13	20
Styrene	0.00500	0.00471	0.00477	94.2	95.4	73.0-130			1.27	20
tert-Butyl alcohol	0.0250	0.0241	0.0235	96.4	94.0	27.0-160			2.52	30
1,1,1,2-Tetrachloroethane	0.00500	0.00476	0.00470	95.2	94.0	75.0-125			1.27	20
1,1,2,2-Tetrachloroethane	0.00500	0.00460	0.00482	92.0	96.4	65.0-130			4.67	20
Tetrachloroethene	0.00500	0.00493	0.00494	98.6	98.8	72.0-132			0.203	20
Toluene	0.00500	0.00521	0.00532	104	106	79.0-120			2.09	20
1,1,1-Trichloroethane	0.00500	0.00532	0.00525	106	105	73.0-124			1.32	20
1,1,2-Trichloroethane	0.00500	0.00486	0.00518	97.2	104	80.0-120			6.37	20
Trichloroethene	0.00500	0.00536	0.00527	107	105	78.0-124			1.69	20
1,2,4-Trimethylbenzene	0.00500	0.00504	0.00523	101	105	76.0-121			3.70	20
1,3,5-Trimethylbenzene	0.00500	0.00526	0.00537	105	107	76.0-122			2.07	20
Vinyl chloride	0.00500	0.00431	0.00442	86.2	88.4	67.0-131			2.52	20
o-Xylene	0.00500	0.00506	0.00509	101	102	80.0-122			0.591	20
m&p-Xylenes	0.0100	0.0103	0.0105	103	105	80.0-122			1.92	20
Xylenes, Total	0.0150	0.0154	0.0156	103	104	79.0-123			1.29	20
(S) Toluene-d8				*106*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R3850610-4 10/16/22 11:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

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Method Blank (MB)

(MB) R3850610-4 10/16/22 11:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850610-1 10/16/22 10:26 • (LCSD) R3850610-2 10/16/22 10:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0289	0.0286	116	114	19.0-160			1.04	27
Benzene	0.00500	0.00510	0.00468	102	93.6	70.0-123			8.59	20
Bromodichloromethane	0.00500	0.00475	0.00437	95.0	87.4	75.0-120			8.33	20
Bromoform	0.00500	0.00362	0.00315	72.4	63.0	68.0-132		J4	13.9	20
Bromomethane	0.00500	0.00667	0.00588	133	118	10.0-160			12.6	25
n-Butylbenzene	0.00500	0.00492	0.00416	98.4	83.2	73.0-125			16.7	20
sec-Butylbenzene	0.00500	0.00515	0.00468	103	93.6	75.0-125			9.56	20
Carbon disulfide	0.00500	0.00474	0.00417	94.8	83.4	61.0-128			12.8	20
Carbon tetrachloride	0.00500	0.00517	0.00477	103	95.4	68.0-126			8.05	20
Chlorobenzene	0.00500	0.00510	0.00447	102	89.4	80.0-121			13.2	20
Chlorodibromomethane	0.00500	0.00435	0.00398	87.0	79.6	77.0-125			8.88	20
Chloroethane	0.00500	0.00565	0.00469	113	93.8	47.0-150			18.6	20
Chloroform	0.00500	0.00481	0.00447	96.2	89.4	73.0-120			7.33	20
Chloromethane	0.00500	0.00538	0.00437	108	87.4	41.0-142		J3	20.7	20
1,2-Dibromoethane	0.00500	0.00524	0.00455	105	91.0	80.0-122			14.1	20
1,1-Dichloroethane	0.00500	0.00499	0.00473	99.8	94.6	70.0-126			5.35	20
1,2-Dichloroethane	0.00500	0.00474	0.00452	94.8	90.4	70.0-128			4.75	20
1,1-Dichloroethene	0.00500	0.00487	0.00443	97.4	88.6	71.0-124			9.46	20
cis-1,2-Dichloroethene	0.00500	0.00478	0.00454	95.6	90.8	73.0-120			5.15	20
trans-1,2-Dichloroethene	0.00500	0.00511	0.00459	102	91.8	73.0-120			10.7	20
1,2-Dichloropropane	0.00500	0.00498	0.00474	99.6	94.8	77.0-125			4.94	20
cis-1,3-Dichloropropene	0.00500	0.00410	0.00373	82.0	74.6	80.0-123		J4	9.45	20

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Received by OCD: 6/14/2023 2:10:34 PM

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850610-1 10/16/22 10:26 • (LCSD) R3850610-2 10/16/22 10:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00397	0.00358	79.4	71.6	78.0-124		J4	10.3	20
Ethylbenzene	0.00500	0.00525	0.00464	105	92.8	79.0-123			12.3	20
Isopropylbenzene	0.00500	0.00505	0.00462	101	92.4	76.0-127			8.89	20
p-Isopropyltoluene	0.00500	0.00541	0.00470	108	94.0	76.0-125			14.0	20
2-Butanone (MEK)	0.0250	0.0283	0.0258	113	103	44.0-160			9.24	20
2-Hexanone	0.0250	0.0276	0.0260	110	104	67.0-149			5.97	20
Methylene Chloride	0.00500	0.00487	0.00451	97.4	90.2	67.0-120			7.68	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0277	0.0256	111	102	68.0-142			7.88	20
Methyl tert-butyl ether	0.00500	0.00477	0.00451	95.4	90.2	68.0-125			5.60	20
Naphthalene	0.00500	0.00447	0.00419	89.4	83.8	54.0-135			6.47	20
n-Propylbenzene	0.00500	0.00538	0.00480	108	96.0	77.0-124			11.4	20
Styrene	0.00500	0.00462	0.00418	92.4	83.6	73.0-130			10.0	20
tert-Butyl alcohol	0.0250	0.0266	0.0242	106	96.8	27.0-160			9.45	30
1,1,1,2-Tetrachloroethane	0.00500	0.00459	0.00450	91.8	90.0	75.0-125			1.98	20
1,1,2,2-Tetrachloroethane	0.00500	0.00539	0.00488	108	97.6	65.0-130			9.93	20
Tetrachloroethene	0.00500	0.00519	0.00458	104	91.6	72.0-132			12.5	20
Toluene	0.00500	0.00510	0.00471	102	94.2	79.0-120			7.95	20
1,1,1-Trichloroethane	0.00500	0.00540	0.00496	108	99.2	73.0-124			8.49	20
1,1,2-Trichloroethane	0.00500	0.00482	0.00463	96.4	92.6	80.0-120			4.02	20
Trichloroethene	0.00500	0.00514	0.00476	103	95.2	78.0-124			7.68	20
1,2,4-Trimethylbenzene	0.00500	0.00506	0.00478	101	95.6	76.0-121			5.69	20
1,3,5-Trimethylbenzene	0.00500	0.00533	0.00483	107	96.6	76.0-122			9.84	20
Vinyl chloride	0.00500	0.00565	0.00479	113	95.8	67.0-131			16.5	20
o-Xylene	0.00500	0.00486	0.00456	97.2	91.2	80.0-122			6.37	20
m&p-Xylenes	0.0100	0.0102	0.00920	102	92.0	80.0-122			10.3	20
Xylenes, Total	0.0150	0.0151	0.0138	101	92.0	79.0-123			9.00	20
(S) Toluene-d8				*98.1*	*99.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.9*	*91.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*91.4*	*90.9*	*70.0-130*				

Released to Imaging: 10/3/2023 9:42:06 AM

Method Blank (MB)

(MB) R3850613-3 10/17/22 00:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3850613-3 10/17/22 00:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.1*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850613-1 10/16/22 23:18 • (LCSD) R3850613-2 10/16/22 23:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0296	0.0315	118	126	19.0-160			6.22	27
Benzene	0.00500	0.00466	0.00537	93.2	107	70.0-123			14.2	20
Bromodichloromethane	0.00500	0.00440	0.00487	88.0	97.4	75.0-120			10.1	20
Bromoform	0.00500	0.00323	0.00325	64.6	65.0	68.0-132	J4	J4	0.617	20
Bromomethane	0.00500	0.00651	0.00715	130	143	10.0-160			9.37	25
n-Butylbenzene	0.00500	0.00432	0.00510	86.4	102	73.0-125			16.6	20
sec-Butylbenzene	0.00500	0.00453	0.00540	90.6	108	75.0-125			17.5	20
Carbon disulfide	0.00500	0.00440	0.00504	88.0	101	61.0-128			13.6	20
Carbon tetrachloride	0.00500	0.00449	0.00520	89.8	104	68.0-126			14.7	20
Chlorobenzene	0.00500	0.00475	0.00525	95.0	105	80.0-121			10.0	20
Chlorodibromomethane	0.00500	0.00394	0.00426	78.8	85.2	77.0-125			7.80	20
Chloroethane	0.00500	0.00531	0.00634	106	127	47.0-150			17.7	20
Chloroform	0.00500	0.00433	0.00514	86.6	103	73.0-120			17.1	20
Chloromethane	0.00500	0.00464	0.00552	92.8	110	41.0-142			17.3	20
1,2-Dibromoethane	0.00500	0.00478	0.00504	95.6	101	80.0-122			5.30	20
1,1-Dichloroethane	0.00500	0.00473	0.00547	94.6	109	70.0-126			14.5	20
1,2-Dichloroethane	0.00500	0.00448	0.00508	89.6	102	70.0-128			12.6	20
1,1-Dichloroethene	0.00500	0.00445	0.00517	89.0	103	71.0-124			15.0	20
cis-1,2-Dichloroethene	0.00500	0.00443	0.00511	88.6	102	73.0-120			14.3	20
trans-1,2-Dichloroethene	0.00500	0.00451	0.00547	90.2	109	73.0-120			19.2	20
1,2-Dichloropropane	0.00500	0.00461	0.00561	92.2	112	77.0-125			19.6	20
cis-1,3-Dichloropropene	0.00500	0.00371	0.00424	74.2	84.8	80.0-123	J4		13.3	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850613-1 10/16/22 23:18 • (LCSD) R3850613-2 10/16/22 23:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00368	0.00415	73.6	83.0	78.0-124	J4		12.0	20
Ethylbenzene	0.00500	0.00459	0.00533	91.8	107	79.0-123			14.9	20
Isopropylbenzene	0.00500	0.00453	0.00514	90.6	103	76.0-127			12.6	20
p-Isopropyltoluene	0.00500	0.00470	0.00563	94.0	113	76.0-125			18.0	20
2-Butanone (MEK)	0.0250	0.0268	0.0294	107	118	44.0-160			9.25	20
2-Hexanone	0.0250	0.0270	0.0289	108	116	67.0-149			6.80	20
Methylene Chloride	0.00500	0.00450	0.00503	90.0	101	67.0-120			11.1	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0263	0.0284	105	114	68.0-142			7.68	20
Methyl tert-butyl ether	0.00500	0.00461	0.00516	92.2	103	68.0-125			11.3	20
Naphthalene	0.00500	0.00412	0.00477	82.4	95.4	54.0-135			14.6	20
n-Propylbenzene	0.00500	0.00477	0.00571	95.4	114	77.0-124			17.9	20
Styrene	0.00500	0.00440	0.00486	88.0	97.2	73.0-130			9.94	20
tert-Butyl alcohol	0.0250	0.0252	0.0285	101	114	27.0-160			12.3	30
1,1,1,2-Tetrachloroethane	0.00500	0.00442	0.00483	88.4	96.6	75.0-125			8.86	20
1,1,2,2-Tetrachloroethane	0.00500	0.00479	0.00557	95.8	111	65.0-130			15.1	20
Tetrachloroethene	0.00500	0.00480	0.00508	96.0	102	72.0-132			5.67	20
Toluene	0.00500	0.00477	0.00535	95.4	107	79.0-120			11.5	20
1,1,1-Trichloroethane	0.00500	0.00492	0.00585	98.4	117	73.0-124			17.3	20
1,1,2-Trichloroethane	0.00500	0.00492	0.00528	98.4	106	80.0-120			7.06	20
Trichloroethene	0.00500	0.00454	0.00541	90.8	108	78.0-124			17.5	20
1,2,4-Trimethylbenzene	0.00500	0.00468	0.00539	93.6	108	76.0-121			14.1	20
1,3,5-Trimethylbenzene	0.00500	0.00480	0.00561	96.0	112	76.0-122			15.6	20
Vinyl chloride	0.00500	0.00476	0.00583	95.2	117	67.0-131		J3	20.2	20
o-Xylene	0.00500	0.00446	0.00499	89.2	99.8	80.0-122			11.2	20
m&p-Xylenes	0.0100	0.00936	0.0105	93.6	105	80.0-122			11.5	20
Xylenes, Total	0.0150	0.0138	0.0155	92.0	103	79.0-123			11.6	20
(S) Toluene-d8				*100*	*96.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.6*	*90.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.1*	*91.6*	*70.0-130*				

Method Blank (MB)

(MB) R3852187-2 10/17/22 21:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
Naphthalene	0.00128	J	0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*77.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3852187-1 10/17/22 20:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00509	102	70.0-123	
Ethylbenzene	0.00500	0.00592	118	79.0-123	
Isopropylbenzene	0.00500	0.00635	127	76.0-127	
Naphthalene	0.00500	0.00503	101	54.0-135	
n-Propylbenzene	0.00500	0.00547	109	77.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00468	93.6	76.0-121	
o-Xylene	0.00500	0.00581	116	80.0-122	
m&p-Xylenes	0.0100	0.0118	118	80.0-122	
Xylenes, Total	0.0150	0.0176	117	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*90.3*	*70.0-130*	

Method Blank (MB)

(MB) R3849959-3 10/18/22 08:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3849959-3 10/18/22 08:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849959-1 10/18/22 07:48 • (LCSD) R3849959-2 10/18/22 08:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0337	0.0325	135	130	19.0-160			3.63	27
Benzene	0.00500	0.00497	0.00485	99.4	97.0	70.0-123			2.44	20
Bromodichloromethane	0.00500	0.00476	0.00463	95.2	92.6	75.0-120			2.77	20
Bromoform	0.00500	0.00484	0.00497	96.8	99.4	68.0-132			2.65	20
Bromomethane	0.00500	0.000667	0.000743	13.3	14.9	10.0-160			10.8	25
n-Butylbenzene	0.00500	0.00403	0.00401	80.6	80.2	73.0-125			0.498	20
sec-Butylbenzene	0.00500	0.00434	0.00434	86.8	86.8	75.0-125			0.000	20
Carbon disulfide	0.00500	0.00423	0.00410	84.6	82.0	61.0-128			3.12	20
Carbon tetrachloride	0.00500	0.00430	0.00400	86.0	80.0	68.0-126			7.23	20
Chlorobenzene	0.00500	0.00479	0.00468	95.8	93.6	80.0-121			2.32	20
Chlorodibromomethane	0.00500	0.00474	0.00455	94.8	91.0	77.0-125			4.09	20
Chloroethane	0.00500	0.00363	0.00308	72.6	61.6	47.0-150			16.4	20
Chloroform	0.00500	0.00469	0.00463	93.8	92.6	73.0-120			1.29	20
Chloromethane	0.00500	0.00551	0.00545	110	109	41.0-142			1.09	20
1,2-Dibromoethane	0.00500	0.00518	0.00511	104	102	80.0-122			1.36	20
1,1-Dichloroethane	0.00500	0.00532	0.00504	106	101	70.0-126			5.41	20
1,2-Dichloroethane	0.00500	0.00466	0.00471	93.2	94.2	70.0-128			1.07	20
1,1-Dichloroethene	0.00500	0.00443	0.00419	88.6	83.8	71.0-124			5.57	20
cis-1,2-Dichloroethene	0.00500	0.00459	0.00471	91.8	94.2	73.0-120			2.58	20
trans-1,2-Dichloroethene	0.00500	0.00473	0.00466	94.6	93.2	73.0-120			1.49	20
1,2-Dichloropropane	0.00500	0.00551	0.00525	110	105	77.0-125			4.83	20
cis-1,3-Dichloropropene	0.00500	0.00491	0.00490	98.2	98.0	80.0-123			0.204	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849959-1 10/18/22 07:48 • (LCSD) R3849959-2 10/18/22 08:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00496	0.00488	99.2	97.6	78.0-124			1.63	20
Ethylbenzene	0.00500	0.00437	0.00434	87.4	86.8	79.0-123			0.689	20
Isopropylbenzene	0.00500	0.00418	0.00413	83.6	82.6	76.0-127			1.20	20
p-Isopropyltoluene	0.00500	0.00438	0.00427	87.6	85.4	76.0-125			2.54	20
2-Butanone (MEK)	0.0250	0.0331	0.0329	132	132	44.0-160			0.606	20
2-Hexanone	0.0250	0.0247	0.0245	98.8	98.0	67.0-149			0.813	20
Methylene Chloride	0.00500	0.00537	0.00492	107	98.4	67.0-120			8.75	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0332	0.0329	133	132	68.0-142			0.908	20
Methyl tert-butyl ether	0.00500	0.00498	0.00517	99.6	103	68.0-125			3.74	20
Naphthalene	0.00500	0.00265	0.00368	53.0	73.6	54.0-135	J4	J3	32.5	20
n-Propylbenzene	0.00500	0.00435	0.00434	87.0	86.8	77.0-124			0.230	20
Styrene	0.00500	0.00431	0.00424	86.2	84.8	73.0-130			1.64	20
tert-Butyl alcohol	0.0250	0.0244	0.0270	97.6	108	27.0-160			10.1	30
1,1,1,2-Tetrachloroethane	0.00500	0.00498	0.00480	99.6	96.0	75.0-125			3.68	20
1,1,2,2-Tetrachloroethane	0.00500	0.00556	0.00554	111	111	65.0-130			0.360	20
Tetrachloroethene	0.00500	0.00474	0.00431	94.8	86.2	72.0-132			9.50	20
Toluene	0.00500	0.00484	0.00466	96.8	93.2	79.0-120			3.79	20
1,1,1-Trichloroethane	0.00500	0.00451	0.00432	90.2	86.4	73.0-124			4.30	20
1,1,2-Trichloroethane	0.00500	0.00522	0.00512	104	102	80.0-120			1.93	20
Trichloroethene	0.00500	0.00431	0.00445	86.2	89.0	78.0-124			3.20	20
1,2,4-Trimethylbenzene	0.00500	0.00434	0.00437	86.8	87.4	76.0-121			0.689	20
1,3,5-Trimethylbenzene	0.00500	0.00449	0.00438	89.8	87.6	76.0-122			2.48	20
Vinyl chloride	0.00500	0.00408	0.00406	81.6	81.2	67.0-131			0.491	20
o-Xylene	0.00500	0.00427	0.00423	85.4	84.6	80.0-122			0.941	20
m&p-Xylenes	0.0100	0.00894	0.00868	89.4	86.8	80.0-122			2.95	20
Xylenes, Total	0.0150	0.0132	0.0129	88.0	86.0	79.0-123			2.30	20
(S) Toluene-d8				*107*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R3853853-2 10/20/22 09:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	0.000398	J	0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.0000970	J	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	0.000338	J	0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	0.00119	J	0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3853853-2 10/20/22 09:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	0.000288	J	0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*97.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3853853-1 10/20/22 08:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0266	106	19.0-160	
Benzene	0.00500	0.00484	96.8	70.0-123	
Bromodichloromethane	0.00500	0.00499	99.8	75.0-120	
Bromoform	0.00500	0.00566	113	68.0-132	
Bromomethane	0.00500	0.00321	64.2	10.0-160	
n-Butylbenzene	0.00500	0.00384	76.8	73.0-125	
sec-Butylbenzene	0.00500	0.00414	82.8	75.0-125	
Carbon disulfide	0.00500	0.00446	89.2	61.0-128	
Carbon tetrachloride	0.00500	0.00479	95.8	68.0-126	
Chlorobenzene	0.00500	0.00506	101	80.0-121	
Chlorodibromomethane	0.00500	0.00542	108	77.0-125	
Chloroethane	0.00500	0.00420	84.0	47.0-150	
Chloroform	0.00500	0.00489	97.8	73.0-120	
Chloromethane	0.00500	0.00495	99.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00510	102	80.0-122	
1,1-Dichloroethane	0.00500	0.00534	107	70.0-126	
1,2-Dichloroethane	0.00500	0.00482	96.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00510	102	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00530	106	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00509	102	73.0-120	
1,2-Dichloropropane	0.00500	0.00539	108	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00529	106	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R3853853-1 10/20/22 08:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00460	92.0	78.0-124	
Ethylbenzene	0.00500	0.00530	106	79.0-123	
Isopropylbenzene	0.00500	0.00563	113	76.0-127	
p-Isopropyltoluene	0.00500	0.00406	81.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0284	114	44.0-160	
2-Hexanone	0.0250	0.0301	120	67.0-149	
Methylene Chloride	0.00500	0.00483	96.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0309	124	68.0-142	
Methyl tert-butyl ether	0.00500	0.00553	111	68.0-125	
Naphthalene	0.00500	0.00508	102	54.0-135	
n-Propylbenzene	0.00500	0.00490	98.0	77.0-124	
Styrene	0.00500	0.00543	109	73.0-130	
tert-Butyl alcohol	0.0250	0.0326	130	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00507	101	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00412	82.4	65.0-130	
Tetrachloroethene	0.00500	0.00518	104	72.0-132	
Toluene	0.00500	0.00450	90.0	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00505	101	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00481	96.2	80.0-120	
Trichloroethene	0.00500	0.00575	115	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00417	83.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00450	90.0	76.0-122	
Vinyl chloride	0.00500	0.00423	84.6	67.0-131	
o-Xylene	0.00500	0.00537	107	80.0-122	
m&p-Xylenes	0.0100	0.0107	107	80.0-122	
Xylenes, Total	0.0150	0.0161	107	79.0-123	
(S) Toluene-d8			*98.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.4*	*70.0-130*	

Method Blank (MB)

(MB) R3852026-3 10/20/22 15:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3852026-3 10/20/22 15:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3852026-1 10/20/22 14:03 • (LCSD) R3852026-2 10/20/22 14:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0249	0.0251	99.6	100	19.0-160			0.800	27
Benzene	0.00500	0.00466	0.00451	93.2	90.2	70.0-123			3.27	20
Bromodichloromethane	0.00500	0.00475	0.00469	95.0	93.8	75.0-120			1.27	20
Bromoform	0.00500	0.00404	0.00403	80.8	80.6	68.0-132			0.248	20
Bromomethane	0.00500	0.00146	0.00159	29.2	31.8	10.0-160			8.52	25
n-Butylbenzene	0.00500	0.00435	0.00417	87.0	83.4	73.0-125			4.23	20
sec-Butylbenzene	0.00500	0.00430	0.00415	86.0	83.0	75.0-125			3.55	20
Carbon disulfide	0.00500	0.00412	0.00367	82.4	73.4	61.0-128			11.6	20
Carbon tetrachloride	0.00500	0.00458	0.00429	91.6	85.8	68.0-126			6.54	20
Chlorobenzene	0.00500	0.00479	0.00448	95.8	89.6	80.0-121			6.69	20
Chlorodibromomethane	0.00500	0.00433	0.00431	86.6	86.2	77.0-125			0.463	20
Chloroethane	0.00500	0.00474	0.00424	94.8	84.8	47.0-150			11.1	20
Chloroform	0.00500	0.00479	0.00450	95.8	90.0	73.0-120			6.24	20
Chloromethane	0.00500	0.00290	0.00258	58.0	51.6	41.0-142			11.7	20
1,2-Dibromoethane	0.00500	0.00458	0.00450	91.6	90.0	80.0-122			1.76	20
1,1-Dichloroethane	0.00500	0.00478	0.00451	95.6	90.2	70.0-126			5.81	20
1,2-Dichloroethane	0.00500	0.00454	0.00465	90.8	93.0	70.0-128			2.39	20
1,1-Dichloroethene	0.00500	0.00478	0.00425	95.6	85.0	71.0-124			11.7	20
cis-1,2-Dichloroethene	0.00500	0.00442	0.00437	88.4	87.4	73.0-120			1.14	20
trans-1,2-Dichloroethene	0.00500	0.00449	0.00433	89.8	86.6	73.0-120			3.63	20
1,2-Dichloropropane	0.00500	0.00506	0.00489	101	97.8	77.0-125			3.42	20
cis-1,3-Dichloropropene	0.00500	0.00448	0.00453	89.6	90.6	80.0-123			1.11	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3852026-1 10/20/22 14:03 • (LCSD) R3852026-2 10/20/22 14:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00441	0.00446	88.2	89.2	78.0-124			1.13	20
Ethylbenzene	0.00500	0.00449	0.00422	89.8	84.4	79.0-123			6.20	20
Isopropylbenzene	0.00500	0.00435	0.00410	87.0	82.0	76.0-127			5.92	20
p-Isopropyltoluene	0.00500	0.00426	0.00396	85.2	79.2	76.0-125			7.30	20
2-Butanone (MEK)	0.0250	0.0256	0.0249	102	99.6	44.0-160			2.77	20
2-Hexanone	0.0250	0.0234	0.0243	93.6	97.2	67.0-149			3.77	20
Methylene Chloride	0.00500	0.00481	0.00462	96.2	92.4	67.0-120			4.03	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0250	0.0249	100	99.6	68.0-142			0.401	20
Methyl tert-butyl ether	0.00500	0.00441	0.00436	88.2	87.2	68.0-125			1.14	20
Naphthalene	0.00500	0.00299	0.00318	59.8	63.6	54.0-135			6.16	20
n-Propylbenzene	0.00500	0.00445	0.00407	89.0	81.4	77.0-124			8.92	20
Styrene	0.00500	0.00436	0.00420	87.2	84.0	73.0-130			3.74	20
tert-Butyl alcohol	0.0250	0.0182	0.0218	72.8	87.2	27.0-160			18.0	30
1,1,1,2-Tetrachloroethane	0.00500	0.00456	0.00446	91.2	89.2	75.0-125			2.22	20
1,1,2,2-Tetrachloroethane	0.00500	0.00446	0.00478	89.2	95.6	65.0-130			6.93	20
Tetrachloroethene	0.00500	0.00490	0.00451	98.0	90.2	72.0-132			8.29	20
Toluene	0.00500	0.00471	0.00443	94.2	88.6	79.0-120			6.13	20
1,1,1-Trichloroethane	0.00500	0.00489	0.00444	97.8	88.8	73.0-124			9.65	20
1,1,2-Trichloroethane	0.00500	0.00461	0.00464	92.2	92.8	80.0-120			0.649	20
Trichloroethene	0.00500	0.00475	0.00449	95.0	89.8	78.0-124			5.63	20
1,2,4-Trimethylbenzene	0.00500	0.00431	0.00400	86.2	80.0	76.0-121			7.46	20
1,3,5-Trimethylbenzene	0.00500	0.00422	0.00404	84.4	80.8	76.0-122			4.36	20
Vinyl chloride	0.00500	0.00433	0.00388	86.6	77.6	67.0-131			11.0	20
o-Xylene	0.00500	0.00417	0.00403	83.4	80.6	80.0-122			3.41	20
m&p-Xylenes	0.0100	0.00934	0.00866	93.4	86.6	80.0-122			7.56	20
Xylenes, Total	0.0150	0.0135	0.0127	90.0	84.7	79.0-123			6.11	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.4*	*97.7*	*70.0-130*				

Method Blank (MB)

(MB) R3854326-3 10/25/22 10:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R3854326-3 10/25/22 10:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3854326-1 10/25/22 09:23 • (LCSD) R3854326-2 10/25/22 09:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0258	0.0258	103	103	19.0-160			0.000	27
Benzene	0.00500	0.00492	0.00480	98.4	96.0	70.0-123			2.47	20
Bromodichloromethane	0.00500	0.00511	0.00513	102	103	75.0-120			0.391	20
Bromoform	0.00500	0.00497	0.00513	99.4	103	68.0-132			3.17	20
Bromomethane	0.00500	0.00438	0.00412	87.6	82.4	10.0-160			6.12	25
n-Butylbenzene	0.00500	0.00466	0.00465	93.2	93.0	73.0-125			0.215	20
sec-Butylbenzene	0.00500	0.00514	0.00519	103	104	75.0-125			0.968	20
Carbon disulfide	0.00500	0.00402	0.00386	80.4	77.2	61.0-128			4.06	20
Carbon tetrachloride	0.00500	0.00500	0.00471	100	94.2	68.0-126			5.97	20
Chlorobenzene	0.00500	0.00506	0.00509	101	102	80.0-121			0.591	20
Chlorodibromomethane	0.00500	0.00517	0.00524	103	105	77.0-125			1.34	20
Chloroethane	0.00500	0.00421	0.00401	84.2	80.2	47.0-150			4.87	20
Chloroform	0.00500	0.00515	0.00493	103	98.6	73.0-120			4.37	20
Chloromethane	0.00500	0.00481	0.00476	96.2	95.2	41.0-142			1.04	20
1,2-Dibromoethane	0.00500	0.00516	0.00527	103	105	80.0-122			2.11	20
1,1-Dichloroethane	0.00500	0.00496	0.00513	99.2	103	70.0-126			3.37	20
1,2-Dichloroethane	0.00500	0.00505	0.00507	101	101	70.0-128			0.395	20
1,1-Dichloroethene	0.00500	0.00481	0.00448	96.2	89.6	71.0-124			7.10	20
cis-1,2-Dichloroethene	0.00500	0.00490	0.00477	98.0	95.4	73.0-120			2.69	20
trans-1,2-Dichloroethene	0.00500	0.00463	0.00455	92.6	91.0	73.0-120			1.74	20
1,2-Dichloropropane	0.00500	0.00526	0.00505	105	101	77.0-125			4.07	20
cis-1,3-Dichloropropene	0.00500	0.00511	0.00506	102	101	80.0-123			0.983	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3854326-1 10/25/22 09:23 • (LCSD) R3854326-2 10/25/22 09:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00480	0.00512	96.0	102	78.0-124			6.45	20
Ethylbenzene	0.00500	0.00500	0.00511	100	102	79.0-123			2.18	20
Isopropylbenzene	0.00500	0.00493	0.00494	98.6	98.8	76.0-127			0.203	20
p-Isopropyltoluene	0.00500	0.00491	0.00492	98.2	98.4	76.0-125			0.203	20
2-Butanone (MEK)	0.0250	0.0289	0.0282	116	113	44.0-160			2.45	20
2-Hexanone	0.0250	0.0279	0.0286	112	114	67.0-149			2.48	20
Methylene Chloride	0.00500	0.00469	0.00461	93.8	92.2	67.0-120			1.72	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0282	0.0293	113	117	68.0-142			3.83	20
Methyl tert-butyl ether	0.00500	0.00525	0.00505	105	101	68.0-125			3.88	20
Naphthalene	0.00500	0.00392	0.00450	78.4	90.0	54.0-135			13.8	20
n-Propylbenzene	0.00500	0.00506	0.00523	101	105	77.0-124			3.30	20
Styrene	0.00500	0.00484	0.00495	96.8	99.0	73.0-130			2.25	20
tert-Butyl alcohol	0.0250	0.0235	0.0204	94.0	81.6	27.0-160			14.1	30
1,1,1,2-Tetrachloroethane	0.00500	0.00463	0.00497	92.6	99.4	75.0-125			7.08	20
1,1,2,2-Tetrachloroethane	0.00500	0.00489	0.00514	97.8	103	65.0-130			4.99	20
Tetrachloroethene	0.00500	0.00462	0.00508	92.4	102	72.0-132			9.48	20
Toluene	0.00500	0.00477	0.00492	95.4	98.4	79.0-120			3.10	20
1,1,1-Trichloroethane	0.00500	0.00506	0.00496	101	99.2	73.0-124			2.00	20
1,1,2-Trichloroethane	0.00500	0.00502	0.00515	100	103	80.0-120			2.56	20
Trichloroethene	0.00500	0.00514	0.00501	103	100	78.0-124			2.56	20
1,2,4-Trimethylbenzene	0.00500	0.00492	0.00506	98.4	101	76.0-121			2.81	20
1,3,5-Trimethylbenzene	0.00500	0.00497	0.00513	99.4	103	76.0-122			3.17	20
Vinyl chloride	0.00500	0.00433	0.00406	86.6	81.2	67.0-131			6.44	20
o-Xylene	0.00500	0.00480	0.00494	96.0	98.8	80.0-122			2.87	20
m&p-Xylenes	0.0100	0.0101	0.00984	101	98.4	80.0-122			2.61	20
Xylenes, Total	0.0150	0.0149	0.0148	99.3	98.7	79.0-123			0.673	20
(S) Toluene-d8				*102*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.1*	*94.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*99.4*	*70.0-130*				

Method Blank (MB)

(MB) R3850207-1 10/18/22 19:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylene Dibromide	U		0.00000536	0.0000200

L1545935-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1545935-02 10/18/22 20:00 • (DUP) R3850207-3 10/18/22 19:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	U	U	1.02	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850207-4 10/18/22 21:58 • (LCSD) R3850207-5 10/19/22 00:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.000250	0.000230	0.000247	92.0	98.8	60.0-140			7.13	20

L1545935-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1545935-04 10/18/22 19:37 • (MS) R3850207-2 10/18/22 19:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.000107	U	0.000124	116	1.07	64.0-159	

Method Blank (MB)

(MB) R3851038-1 10/19/22 14:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*101*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3851038-2 10/19/22 14:23 • (LCSD) R3851038-3 10/19/22 14:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	0.930	0.872	62.0	58.1	50.0-150			6.44	20
(S) o-Terphenyl				*124*	*120*	*31.0-160*				

Method Blank (MB)

(MB) R3850664-1 10/19/22 11:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*109*			*31.0-160*

Laboratory Control Sample (LCS)

(LCS) R3850664-2 10/19/22 11:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.73	115	50.0-150	
(S) o-Terphenyl			*111*	*31.0-160*	

L1545516-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1545516-03 10/21/22 02:30 • (MS) R3851214-1 10/21/22 02:53 • (MSD) R3851214-2 10/21/22 03:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	0.874	1.62	1.70	49.7	55.1	1	50.0-150	J6		4.82	20
(S) o-Terphenyl					*70.0*	*73.0*		*31.0-160*				

Received by OCD: 6/14/2023 2:10:34 PM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 L1546101-11,12,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,31,32

Method Blank (MB)

(MB) R3851039-1 10/20/22 01:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*101*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3851039-2 10/20/22 01:27 • (LCSD) R3851039-3 10/20/22 01:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.61	1.62	107	108	50.0-150			0.619	20
(S) o-Terphenyl				*118*	*121*	*31.0-160*				

Released to Imaging: 10/3/2023 9:42:06 AM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 L1546101-33,34,36,37,38,39,40,41,42,43,44,46,47,48,49,51,52,53,54,55

Method Blank (MB)

(MB) R3851040-1 10/20/22 00:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*106*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3851040-2 10/20/22 00:27 • (LCSD) R3851040-3 10/20/22 00:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.63	1.62	109	108	50.0-150			0.615	20
(S) o-Terphenyl				*120*	*118*	*31.0-160*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3850643-1 10/19/22 22:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*80.0*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3850643-2 10/19/22 22:48 • (LCSD) R3850643-3 10/19/22 23:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.70	1.72	113	115	50.0-150			1.17	20
(S) o-Terphenyl				*86.5*	*85.5*	*31.0-160*				

Method Blank (MB)

(MB) R3851429-1 10/20/22 20:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*100*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3851429-2 10/20/22 21:17 • (LCSD) R3851429-3 10/20/22 21:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.65	1.47	110	98.0	50.0-150			11.5	20
(S) o-Terphenyl				*121*	*105*	*31.0-160*				

Method Blank (MB)

(MB) R3851548-1 10/21/22 04:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*86.5*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3851548-2 10/21/22 04:49 • (LCSD) R3851548-3 10/21/22 05:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.61	1.55	107	103	50.0-150			3.80	20
(S) o-Terphenyl				*99.5*	*97.0*	*31.0-160*				

Method Blank (MB)

(MB) R3849254-3 10/16/22 09:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dioxane	U		0.0000447	0.000400
(S) Nitrobenzene-d5	*57.3*			*10.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3849254-1 10/16/22 09:05 • (LCSD) R3849254-2 10/16/22 09:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.0621	0.0610	124	122	73.0-146			1.79	20
(S) Nitrobenzene-d5				*59.2*	*70.0*	*10.0-120*				

Method Blank (MB)

(MB) R3850968-2 10/19/22 21:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R3850968-2 10/19/22 21:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*29.5*			*10.0-120*
(S) Phenol-d5	*19.0*			*10.0-120*
(S) Nitrobenzene-d5	*58.5*			*10.0-127*
(S) 2-Fluorobiphenyl	*59.0*			*10.0-130*
(S) 2,4,6-Tribromophenol	*73.5*			*10.0-155*
(S) p-Terphenyl-d14	*59.8*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3850968-1 10/19/22 21:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0265	53.0	41.0-120	
Acenaphthylene	0.0500	0.0291	58.2	43.0-120	
Acetophenone	0.0500	0.0271	54.2	29.0-120	
Anthracene	0.0500	0.0267	53.4	45.0-120	
Atrazine	0.0500	0.0341	68.2	39.0-141	
Benzo(a)anthracene	0.0500	0.0289	57.8	47.0-120	
Benzaldehyde	0.0500	0.0721	144	10.0-160	
Benzo(b)fluoranthene	0.0500	0.0292	58.4	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0272	54.4	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0299	59.8	48.0-121	
Benzo(a)pyrene	0.0500	0.0307	61.4	47.0-120	
Biphenyl	0.0500	0.0255	51.0	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0247	49.4	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0251	50.2	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0248	49.6	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0308	61.6	45.0-120	
2-Chloronaphthalene	0.0500	0.0263	52.6	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0310	62.0	44.0-120	
Caprolactam	0.0500	0.00929	18.6	10.0-120	
Carbazole	0.0500	0.0297	59.4	51.0-122	
Chrysene	0.0500	0.0284	56.8	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0311	62.2	47.0-120	
Dibenzofuran	0.0500	0.0285	57.0	44.0-120	
3,3-Dichlorobenzidine	0.100	0.0532	53.2	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0342	68.4	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0309	61.8	46.0-120	
Fluoranthene	0.0500	0.0319	63.8	51.0-120	
Fluorene	0.0500	0.0298	59.6	47.0-120	
Hexachlorobenzene	0.0500	0.0300	60.0	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0265	53.0	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0142	28.4	15.0-120	
Hexachloroethane	0.0500	0.0252	50.4	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0306	61.2	49.0-122	
Isophorone	0.0500	0.0257	51.4	36.0-120	
1-Methylnaphthalene	0.0500	0.0257	51.4	33.0-120	
2-Methylnaphthalene	0.0500	0.0256	51.2	33.0-120	
Naphthalene	0.0500	0.0238	47.6	27.0-120	
Nitrobenzene	0.0500	0.0262	52.4	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0231	46.2	47.0-120	J4
n-Nitrosodi-n-propylamine	0.0500	0.0287	57.4	31.0-120	

Laboratory Control Sample (LCS)

(LCS) R3850968-1 10/19/22 21:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.0500	0.0283	56.6	46.0-120	
Benzylbutyl phthalate	0.0500	0.0293	58.6	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0293	58.6	43.0-122	
Di-n-butyl phthalate	0.0500	0.0318	63.6	49.0-121	
Diethyl phthalate	0.0500	0.0321	64.2	48.0-122	
Dimethyl phthalate	0.0500	0.0302	60.4	48.0-120	
Di-n-octyl phthalate	0.0500	0.0293	58.6	42.0-125	
Pyrene	0.0500	0.0272	54.4	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0253	50.6	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0247	49.4	40.0-120	
2-Chlorophenol	0.0500	0.0205	41.0	25.0-120	
2,4-Dichlorophenol	0.0500	0.0257	51.4	36.0-120	
2,4-Dimethylphenol	0.0500	0.0211	42.2	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0360	72.0	38.0-138	
2,4-Dinitrophenol	0.0500	0.0370	74.0	10.0-120	
2-Nitrophenol	0.0500	0.0272	54.4	31.0-120	
2-Nitroaniline	0.0500	0.0296	59.2	43.0-120	
2-Methylphenol	0.0500	0.0175	35.0	28.0-120	
3&4-Methyl Phenol	0.0500	0.0174	34.8	31.0-120	
3-Nitroaniline	0.0500	0.0280	56.0	38.0-120	
4-Chloroaniline	0.0500	0.0255	51.0	25.0-120	
4-Nitroaniline	0.0500	0.0304	60.8	18.0-160	
4-Nitrophenol	0.0500	0.0128	25.6	10.0-120	
Pentachlorophenol	0.0500	0.0344	68.8	23.0-120	
Phenol	0.0500	0.00944	18.9	10.0-120	
2,4,5-Trichlorophenol	0.0500	0.0308	61.6	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0291	58.2	42.0-120	
(S) 2-Fluorophenol			*27.6*	*10.0-120*	
(S) Phenol-d5			*18.3*	*10.0-120*	
(S) Nitrobenzene-d5			*52.2*	*10.0-127*	
(S) 2-Fluorobiphenyl			*53.1*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*69.5*	*10.0-155*	
(S) p-Terphenyl-d14			*55.5*	*10.0-128*	

L1546253-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546253-02 10/20/22 07:10 • (MS) R3850968-3 10/20/22 07:31 • (MSD) R3850968-4 10/20/22 07:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	U	0.0154	0.0213	30.8	42.6	5	28.0-120		J3	32.2	25
Acenaphthylene	0.0500	U	0.0119	0.0155	23.8	31.0	5	31.0-121	J6	J3	26.3	25
Acetophenone	0.0500	U	0.0163	0.0208	32.6	41.6	5	20.0-120			24.3	35
Anthracene	0.0500	U	0.0152	0.0206	30.4	41.2	5	36.0-120	J6	J3	30.2	23
Atrazine	0.0500	U	0.0179	0.0265	35.8	53.0	5	39.0-130	J6	J3	38.7	23
Benzo(a)anthracene	0.0500	U	0.0184	0.0252	36.8	50.4	5	39.0-120	J6	J3	31.2	23
Benzaldehyde	0.0500	U	0.0432	0.0520	86.4	104	5	10.0-160			18.5	40
Benzo(b)fluoranthene	0.0500	U	0.0183	0.0253	36.6	50.6	5	37.0-120	J6	J3	32.1	23
Benzo(k)fluoranthene	0.0500	U	0.0187	0.0262	37.4	52.4	5	37.0-120		J3	33.4	26
Benzo(g,h,i)perylene	0.0500	U	0.0203	0.0274	40.6	54.8	5	37.0-123		J3	29.8	25
Benzo(a)pyrene	0.0500	U	0.0187	0.0228	37.4	45.6	5	37.0-120			19.8	24
Biphenyl	0.0500	U	0.0175	0.0234	35.0	46.8	5	29.0-120			28.9	33
Bis(2-chlorethoxy)methane	0.0500	U	0.0155	0.0208	31.0	41.6	5	17.0-120			29.2	31
Bis(2-chloroethyl)ether	0.0500	U	0.0148	0.0188	29.6	37.6	5	14.0-120			23.8	33
2,2-Oxybis(1-Chloropropane)	0.0500	U	0.0146	0.0178	29.2	35.6	5	18.0-120			19.8	34
4-Bromophenyl-phenylether	0.0500	U	0.0197	0.0280	39.4	56.0	5	37.0-120		J3	34.8	24
2-Chloronaphthalene	0.0500	U	0.0164	0.0214	32.8	42.8	5	29.0-120			26.5	28
4-Chlorophenyl-phenylether	0.0500	U	0.0187	0.0264	37.4	52.8	5	36.0-120		J3	34.1	23
Caprolactam	0.0500	U	0.00700	0.00915	14.0	18.3	5	10.0-120			26.6	40
Carbazole	0.0500	U	0.0164	0.0231	32.8	46.2	5	38.0-127	J6	J3	33.9	21
Chrysene	0.0500	U	0.0177	0.0249	35.4	49.8	5	38.0-120	J6	J3	33.8	23
Dibenz(a,h)anthracene	0.0500	U	0.0213	0.0281	42.6	56.2	5	36.0-121		J3	27.5	24
Dibenzofuran	0.0500	U	0.0170	0.0233	34.0	46.6	5	32.0-120		J3	31.3	26
3,3-Dichlorobenzidine	0.100	U	U	U	0.000	0.000	5	10.0-134	J6	J6	0.000	30
2,4-Dinitrotoluene	0.0500	U	0.0176	0.0267	35.2	53.4	5	39.0-125	J6	J3	41.1	25
2,6-Dinitrotoluene	0.0500	U	0.0174	0.0252	34.8	50.4	5	36.0-120	J6	J3	36.6	27
Fluoranthene	0.0500	U	0.0183	0.0255	36.6	51.0	5	41.0-121	J6	J3	32.9	22
Fluorene	0.0500	U	0.0175	0.0247	35.0	49.4	5	37.0-120	J6	J3	34.1	24
Hexachlorobenzene	0.0500	U	0.0193	0.0255	38.6	51.0	5	35.0-122		J3	27.7	24
Hexachloro-1,3-butadiene	0.0500	U	0.0174	0.0214	34.8	42.8	5	12.0-120			20.6	34
Hexachlorocyclopentadiene	0.0500	U	0.00892	0.0108	17.8	21.6	5	10.0-120			19.1	33
Hexachloroethane	0.0500	U	0.0151	0.0187	30.2	37.4	5	10.0-120			21.3	40
Indeno(1,2,3-cd)pyrene	0.0500	U	0.0203	0.0265	40.6	53.0	5	38.0-125		J3	26.5	24
Isophorone	0.0500	U	0.0155	0.0206	31.0	41.2	5	21.0-120		J3	28.3	27
1-Methylnaphthalene	0.0500	U	0.0166	0.0218	33.2	43.6	5	11.0-120		J3	27.1	27
2-Methylnaphthalene	0.0500	U	0.0158	0.0212	31.6	42.4	5	17.0-120		J3	29.2	28
Naphthalene	0.0500	U	0.0154	0.0195	30.8	39.0	5	10.0-120			23.5	31
Nitrobenzene	0.0500	U	0.0209	0.0292	41.8	58.4	5	12.0-120		J3	33.1	30
n-Nitrosodiphenylamine	0.0500	U	0.0147	0.0203	29.4	40.6	5	37.0-120	J6	J3	32.0	24
n-Nitrosodi-n-propylamine	0.0500	U	0.0160	0.0220	32.0	44.0	5	16.0-120		J3	31.6	30

L1546253-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546253-02 10/20/22 07:10 • (MS) R3850968-3 10/20/22 07:31 • (MSD) R3850968-4 10/20/22 07:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0500	U	0.0174	0.0246	34.8	49.2	5	33.0-120		J3	34.3	22
Benzylbutyl phthalate	0.0500	U	0.0196	0.0270	39.2	54.0	5	34.0-126		J3	31.8	24
Bis(2-ethylhexyl)phthalate	0.0500	U	0.0202	0.0263	40.4	52.6	5	33.0-126		J3	26.2	25
Di-n-butyl phthalate	0.0500	U	0.0188	0.0269	37.6	53.8	5	35.0-128		J3	35.4	23
Diethyl phthalate	0.0500	U	0.0183	0.0256	36.6	51.2	5	39.0-125	J6	J3	33.3	24
Dimethyl phthalate	0.0500	U	0.0175	0.0251	35.0	50.2	5	37.0-120	J6	J3	35.7	24
Di-n-octyl phthalate	0.0500	U	0.0213	0.0274	42.6	54.8	5	25.0-135			25.1	26
Pyrene	0.0500	U	0.0192	0.0263	38.4	52.6	5	39.0-120	J6	J3	31.2	22
1,2,4-Trichlorobenzene	0.0500	U	0.0162	0.0202	32.4	40.4	5	15.0-120			22.0	31
4-Chloro-3-methylphenol	0.0500	U	0.00952	0.0121	19.0	24.2	5	26.0-120	J6	J6	23.9	27
2-Chlorophenol	0.0500	U	0.0122	0.0153	24.4	30.6	5	18.0-120			22.5	34
2,4-Dichlorophenol	0.0500	U	0.0152	0.0197	30.4	39.4	5	19.0-120			25.8	27
2,4-Dimethylphenol	0.0500	U	U	U	0.000	0.000	5	15.0-120	J6	J6	0.000	28
4,6-Dinitro-2-methylphenol	0.0500	U	0.0161	0.0247	32.2	49.4	5	10.0-144		J3	42.2	39
2,4-Dinitrophenol	0.0500	U	0.0413	0.0494	82.6	98.8	5	10.0-120			17.9	40
2-Nitrophenol	0.0500	U	0.0183	0.0246	36.6	49.2	5	20.0-120			29.4	30
2-Nitroaniline	0.0500	U	0.00140	0.00166	2.80	3.32	5	33.0-120	J6	J6	17.0	27
2-Methylphenol	0.0500	U	0.00464	0.00334	9.28	6.68	5	10.0-120	J6	J3 J6	32.6	30
3&4-Methyl Phenol	0.0500	U	0.00498	0.00535	9.96	10.7	5	10.0-120	J6		7.16	36
3-Nitroaniline	0.0500	U	0.000690	U	1.38	0.000	5	20.0-120	J6	J3 J6	200	27
4-Chloroaniline	0.0500	U	U	U	0.000	0.000	5	10.0-120	J6	J6	0.000	31
4-Nitroaniline	0.0500	U	U	U	0.000	0.000	5	10.0-160	J6	J6	0.000	26
4-Nitrophenol	0.0500	U	U	U	0.000	0.000	5	10.0-120	J6	J6	0.000	40
Pentachlorophenol	0.0500	U	0.0205	0.0271	41.0	54.2	5	10.0-128			27.7	37
Phenol	0.0500	U	U	U	0.000	0.000	5	10.0-120	J6	J6	0.000	40
2,4,5-Trichlorophenol	0.0500	U	0.0173	0.0240	34.6	48.0	5	33.0-120		J3	32.4	31
2,4,6-Trichlorophenol	0.0500	U	0.0179	0.0235	35.8	47.0	5	26.0-120			27.1	31
(S) 2-Fluorophenol					*13.9*	*18.2*		*10.0-120*				
(S) Phenol-d5					*14.9*	*15.7*		*10.0-120*				
(S) Nitrobenzene-d5					*34.6*	*43.4*		*10.0-127*				
(S) 2-Fluorobiphenyl					*30.1*	*40.6*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*40.2*	*49.9*		*10.0-155*				
(S) p-Terphenyl-d14					*40.9*	*55.5*		*10.0-128*				

Sample Narrative:

OS: Dilution due to matrix.

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

GLOSSARY OF TERMS

Qualifier	Description
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Shipment # 1

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1546101

Table #

Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3 <2	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4 <2	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-85	Grab	GW				10	X	X	X	X	X	X				Not sampled; LNAPL		
MW-86	Grab	GW				11	X	X	X		X	X	X	X		Not sampled; LNAPL		
MW-120	Grab	GW		10/11/22	905	12	X	X	X	X	X	X						-01
MW-121	Grab	GW		10/11/22	950	7		X	X	X	X	X						-02
MW-84	Grab	GW		10/11/22	1610	7		X	X	X	X	X						-03
MW-122	Grab	GW		10/11/22	1130	7		X	X	X	X	X						-04
MW-79	Grab	GW		10/11/22	1040	7		X	X	X	X	X						-05
MW-74	Grab	GW		10/11/22	1445	7		X	X	X	X	X						-06
MW-2A	Grab	GW		10/11/22	1215	7		X	X	X	X	X						-07
OCD-6	Grab	GW		10/11/22	1305	7		X	X	X	X	X						-08

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
Cations are being analyzed with Total Metals except where noted.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
OCD-7AR	Grab	GW		10/11/22	1350	7		X	X	X	X	X						-09
~~MW-48~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X				(well destroyed, as in recent past)		
MW-130	Grab	GW		10/12/22	1310	10	X	X	X	X	X	X						-10
KWB-4	Grab	GW				8	X	X		X	X	X				Not sampled;	LNAPL	
EB-EP-01	Grab	GW		10/11/22	1500	7		X	X	X	X	X						-11
EB-EP-04	Grab	GW		10/11/22	1055	7		X	X	X	X	X						-12
TRIP BLANK-EP-01	Grab	GW		10/11/22	—	1	X											-13

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	10/12/22	1415	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No HCL / MeoH TBR
10

Temp: °C Bottles Received: 987

Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

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Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

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Date Results Needed

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Chain of Custody Page 3 of 19

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L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-76	Grab	GW		10/12/22	950	7		X	X	X	X	X						-14
MW-75	Grab	GW		10/12/22	1045	7		X	X	X	X	X						-15
MW-83	Grab	GW		10/12/22	905	7		X	X	X	X	X						-16
MW-3	Grab	GW		10/12/22	925	7		X	X	X	X	X						-17
MW-88	Grab	GW		10/11/22	1320	5		X	X	X							No Cations	-18
MW-22A	Grab	GW		10/11/22	1400	7		X	X	X	X	X						-19
MW-10	Grab	GW		10/11/22	1520	7		X	X	X	X	X						-20
MW-123	Grab	GW		10/12/22	1150	7		X	X	X	X	X						-21
MW-4A	Grab	GW		10/11/22	1610	7		X	X	X	X	X						-22
MW-5A	Grab	GW		10/12/22	1025	7		X	X	X	X	X						-23

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	10/12/22	1415		NO
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

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Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-7A	Grab	GW		10/12/22	905	10	X	X	X	X	X	X						-24
OCD-8A	Grab	GW		10/12/22	840	8		X	X		X	X	X	X				-25
DUP-EP-01	Grab	GW		10/12/22	800	10	X	X	X	X	X	X						-26
DUP-EP-02	Grab	GW		10/11/22	1200	7		X	X	X	X	X						-27
DUP-EP-03	Grab	GW		10/12/22	1040	7		X	X	X	X	X						-28
EB-EP-03	Grab	GW		10/12/22	1100	7		X	X	X	X	X						-29
TRIP BLANK-EP-02	Grab	GW		10/12/22	—	1	X											-30

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Relinquished by : (Signature) Scott Ude — Date: 10/12/22 — Time: 1415 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature)

Trip Blank Received: Yes / No — HCl / MeoH — TBR — 10

Temp: °C — Bottles Received: 987

Date: 10.13.22 — Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Chain of Custody Page 4 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 15446101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
OCD-1R	Grab	GW		10/11/22	1220	7		X	X	X	X	X						-31
OCD-2A	Grab	GW		10/4/22	840	5		X	X	X							No Cations	-32
OCD-3	Grab	GW		10/11/22	925	5		X	X	X							No Cations	-33
OCD-4	Grab	GW		10/11/22	1010	5		X	X	X							No Cations	-34
MW-11A	Grab	GW		10/11/22	1140	3				X	X	X					Only Cats.	-35
OCD-5	Grab	GW		10/11/22	1050	7		X	X	X	X	X						-36
MW-87	Grab	GW		10/12/22	1005	5		X	X	X							No Cations	-37
MW-18A	Grab	GW		10/12/22	940	6		X			X	X	X	X				-38
MW-70	Grab	GW		10/12/22	1110	5		X	X	X							No Cations	-39
MW-124	Grab	GW		10/12/22	1030	7		X	X	X	X	X						-40

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: °C Bottles Received: 987

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	10/12/22	1415	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 10.13.22 Time: 0900

Chain of Custody Page 5 of 19

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1546101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #
(Navajo - Artesia)

P.O. #
181054

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 6 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3 <2	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4 <2	Total Long List Metals 250mlHDPE-HNO3 <2	Cyanide - 250mlHDPEAmb-NaOH (Red)	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-52	Grab	GW		10/12/22	935	11	X	X	X		X	X	X	X				-41
MW-109	Grab	GW		10/12/22	1140	12	X	X	X	X	X	X						-42
MW-110	Grab	GW		10/12/22	1025	12	X	X	X	X	X	X						-43
EB-EP-02	Grab	GW		10/12/22	1050	7		X	X	X	X	X						-44
TRIP BLANK-EP-03	Grab	GW		10/11/22	—	1	X											-45

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP / Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 7 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-113	Grab	GW		10/11/22	1005	10	X	X	X	X	X	X						-46
~~KWB-8~~	~~Grab~~	~~GW~~				~~9~~	~~X~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~		No	Sample; LNAPL	
~~MW-133~~	~~Grab~~	~~GW~~				~~10~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					No Sample; LNAPL	
MW-134	Grab	GW		10/11/22	1115	10	X	X	X	X	X	X						-47
~~RA-4798~~	~~Grab~~	~~GW~~				~~6~~	~~X~~			~~X~~	~~X~~	~~X~~					~~Only Cats.~~	pump removed
~~RA-4196~~	~~Grab~~	~~GW~~				~~10~~	~~X~~			~~X~~	~~X~~	~~X~~			~~X~~	~~X~~	~~Only Cats.~~	pump removed
KWB-7	Grab	GW		10/11/22	1350	9	X	X			X	X	X	X				-48
MW-135	Grab	GW		10/11/22	1100	10	X	X	X	X	X	X						-49
NP-1	Grab	GW		10/11/22	1310	3	X											-50
MW-21	Grab	GW		10/11/22	1235	10	X	X	X	X	X	X						-51

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	10/12/22	1415		10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/13/22 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 8 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
KWB-11A	Grab	GW		10/11/22	1430 16	~~11~~	X	X	X		X	X	X	X	X	X		-52
KWB-11B	Grab	GW		10/11/22	1510	11	X	X	X		X	X	X	X				-53
MW-115	Grab	GW		10/11/22	1650	10	X	X	X	X	X	X						-54
MW-114	Grab	GW		10/11/22	1730	10	X	X	X	X	X	X						-55
MW-125	Grab	GW		10/11/22	1610	10	X	X	X	X	X	X						-56
DUP-REST-01	Grab	GW		10/11/22	1200	10	X	X	X	X	X	X						-57
EB-REST-01	Grab	GW		10/11/22	1025	10	X	X	X	X	X	X						-58
DUP-REST-03	Grab	GW		10/11/22	1400	10	X	X	X	X	X	X						-59
EB-REST-03	Grab	GW		10/11/22	1140	10	X	X	X	X	X	X						-60
TRIP BLANK-REST-01	Grab	GW		10/11/22	—	1	X											-61

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: KWB-11A COC was corrected to match correctly-provided bottle kit.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	10/12/22	1415	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
10 HCl / MeoH
TBR

Temp: °C Bottles Received: 987

Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Chain of Custody Page 9 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
TRIP BLANK-TMD-01	Grab	GW		10/11/22	—	1	X											-62
MW-117	Grab	GW		10/11/22	1510	10	X	X	X	X	X	X						-63
MW-118	Grab	GW		10/11/22	1430	10	X	X	X	X	X	X						-64
MW-119	Grab	GW		10/11/22	1330	10	X	X	X	X	X	X						-65
MW-136	Grab	GW		10/11/22	900	11	X	X	X		X	X	X	X				-66
~~MW-126A~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X				X	No sample ; LNAPL	
MW-126B	Grab	GW		10/11/22	1055	10	X	X	X	X	X	X						-67
~~MW-127~~	~~Grab~~	~~GW~~				14	X	X	X	X	X	X			X	X	No Sample; LNAPL	
KWB-1A	Grab	GW		10/11/22	955	9	X	X			X	X	X	X				-68
~~KWB-10R~~	~~Grab~~	~~GW~~				10	X	X		X	X	X				X	No Sample ; LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__UPS ✓FedEx __Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP / Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 10 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI-40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-131	Grab	GW				10	X	X	X	X	X	X				ND	Sample; LNAPL	
KWB-5	Grab	GW				8	X	X		X	X	X				ND	Sample; LNAPL	
MW-111	Grab	GW				14	X	X	X	X	X	X			X	X	ND Sample; LNAPL	
KWB-6	Grab	GW				12	X	X		X	X	X			X	X	ND Sample; LNAPL	
MW-112	Grab	GW				10	X	X	X	X	X	X					ND Sample; LNAPL	
MW-132	Grab	GW				10	X	X	X	X	X	X				ND	sample; skimmer	LNAPL pump in well
MW-57	Grab	GW				10	X	X	X	X	X	X				ND	Sample; LNAPL	
KWB-12A	Grab	GW		10/11/22	1330	11	X	X	X		X	X	X	X				-69
KWB-12B	Grab	GW		10/11/22	1415	11	X	X	X		X	X	X	X				-70
KWB-2R	Grab	GW				10	X	X		X	X	X				X	ND Sample	; LNAPL

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
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apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #
(Navajo - Artesia)

P.O. #
181054

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 11 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-58	Grab	GW				9	X	X			X	X	X	X	—	NO	Sample, LNAPL	
DUP-REST-05	Grab	GW		10/11/22	1200	11	X	X	X		X	X	X	X				-71
EB-REST-05	Grab	GW		10/11/22	1435	11	X	X	X		X	X	X	X				-72
TRIP BLANK-REST-02	Grab	GW		10/11/22	—	1	X											-73

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	10/12/22	1415		10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 12 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-104	Grab	GW		10/11/22	1410	10	X	X	X	X	X	X						-74
MW-64	Grab	GW		10/11/22	1545	10	X	X	X	X	X	X				~~No Sample, LNAPL~~		~~-75~~
~~MW-65~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X				No Sample; LNAPL		
MW-102	Grab	GW		10/11/22	1705	10	X	X	X	X	X	X						-76
~~MW-99~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X				No	Sample; LNAPL	
~~MW-66~~	~~Grab~~	~~GW~~				11	X	X	X		X	X	X	X		No	Sample; LNAPL	
~~MW-28~~	~~Grab~~	~~GW~~				13	X	X	X		X	X	X	X		X	No Sample; LNAPL	
~~MW-60~~	~~Grab~~	~~GW~~				15	X	X	X		X	X	X	X	X	X	No Sample; LNAPL	
~~MW-128~~	~~Grab~~	~~GW~~				12	X	X	X	X	X	X				X	No Sample; LNAPL	
MW-116	Grab	GW		10/12/22	1130	10	X	X	X	X	X	X						-77

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR	If preservation required by Login: Date/Time
Scott Ude	10/12/22	1415			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 13 of 19

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-46R	Grab	GW		10/12/22	1210	8	X	X		X	X	X						-78
MW-145	Grab	GW		10/11/22	1305	9	X	X	X	X	X							-79
MW-146	Grab	GW	10/11/22	~~1140~~ SH	1140	9	X	X	X	X	X							-80
MW-147	Grab	GW		10/11/22	1015	9	X	X	X	X	X							-81
MW-148	Grab	GW		10/11/22	930	9	X	X	X	X	X						NOT REQUESTED SH	-82
DUP-REST-02	Grab	GW		10/11/22	1600	14	X	X	X	X	X	X			X	X		-83
EB-REST-02	Grab	GW		10/11/22	1715	14	X	X	X	X	X	X			X	X		-84
DUP-REST-04	Grab	GW		10/11/22	1100	9	X	X	X	X	X						~~No Cations~~ analyze	-85 SH
EB-REST-04	Grab	GW		10/11/22	1150	9	X	X	X	X	X					SH	~~No Cations~~ analyze	-86 SH
TRIP BLANK-REST-03	Grab	GW		10/12/22	—	1	X									SH		-87

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	10/12/22	1415		NO
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900
				Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 14 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1546101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	SVOCs/8270DIOXANE-100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-101	Grab	GW		10/11/22	1205	10	X	X	X	X	X	X						-88
MW-105	Grab	GW		10/11/22	825	10	X	X	X	X	X	X						-89
MW-61	Grab	GW		10/11/22	1115	12	X	X	X	X	X	X				X	SVOCs only	-90
MW-62	Grab	GW		10/11/22	925	12	X	X	X	X	X	X				X	SVOCs only	-91
MW-62R	Grab	GW		10/11/22	1015	10	X	X	X	X	X	X						-92
~~MW-43~~	~~Grab~~	~~GW~~				~~15~~	X	X	X		X	X	X	X		X	No Sample; LNAPL	
~~MW-137~~	~~Grab~~	~~GW~~				~~13~~	X	X	X		X	X	X	X		X	SVOCs only	No Sample; LNAPL
~~MW-137A~~	~~Grab~~	~~GW~~				~~11~~	X	X	X		X	X	X	X			No Sample; LNAPL	
~~MW-138~~	~~Grab~~	~~GW~~				~~15~~	X	X	X		X	X	X	X		X	No Sample; LNAPL	
~~MW-138A~~	~~Grab~~	~~GW~~				~~11~~	X	X	X		X	X	X	X			No Sample; LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) No HCl / MeOH TBR	If preservation required by Login: Date/Time
Scott Ude	10/12/22	1415		10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 15 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	SVOCs/8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~MW-23~~	~~Grab~~	~~GW~~		~~10/11/22~~		14	X	X	X	X	X	X				X	No Sample; LNAPL	
TEL-4	Grab	GW		10/12/22	855	10	X	X	X	X	X	X						93
~~TEL-3~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X					No Sample; LNAPL	
~~TEL-2~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X					No Sample; LNAPL	
~~TEL-1~~	~~Grab~~	~~GW~~				10	X	X	X	X	X	X					No Sample; LNAPL	
~~MW-39~~	~~Grab~~	~~GW~~				12	X	X	X	X	X	X				X	1,4-D only	No Sample; LNAPL
MW-98	Grab	GW		10/11/22	1340	10	X	X	X	X	X	X						94
MW-49	Grab	GW		10/11/22	1250	11	X	X	X		X	X	X	X				95
~~MW-106~~	~~Grab~~	GW	unable to access; covered by steel container			12	X	X	X	X	X	X				X	1,4-D only	
MW-45	Grab	GW		10/11/22	1715	9	X	X			X	X	X	X				96

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__UPS ✓FedEx __Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #
(Navajo - Artesia)

P.O. #
181054

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 16 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-29	Grab	GW		10/11/22	1600	10	X	X	X	X	X	X						-97
DUP-TEL-01	Grab	GW		10/12/22	1000	10	X	X	X	X	X	X						-98
EB-TEL-01	Grab	GW		10/12/22	920	10	X	X	X	X	X	X						-99
TRIP BLANK-REST-04	Grab	GW		10/11/22	—	1	X											-100
TRIP BLANK-TEL-01	Grab	GW		10/12/22	—	1	X											-101

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCl / MeOH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #: **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 17 of 19

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1546101

Table #

Acctnum: TRCATX

Template: T194233

Prelogin: P955027

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	SVOCs/8270DIOXANE-100mlAmb-NoPres	Remarks	Sample # (lab only)
MW-139	Grab	GW		10/11/22	1725	10	X	X	X	X	X	X						-107
MW-50	Grab	GW		10/11/22	1430	8	X	X		X	X	X						-103
~~MW-97~~	~~Grab~~	~~GW~~				~~12~~	X	X	X	X	X	X				X	SVOCs only	Not located
~~MW-92~~	~~Grab~~	~~GW~~				~~12~~	X	X	X	X	X	X				X	1,4-D only	Not Sampled; LNAPL
~~MW-91~~	~~Grab~~	~~GW~~				~~12~~	X	X	X	X	X	X				X	1,4-D only	Not Sampled; LNAPL
MW-90	Grab	GW		10/11/22	1035	10	X	X	X	X	X	X						-104
MW-96	Grab	GW		10/11/22	1120	10	X	X	X	X	X	X						-105
~~MW-94~~	~~Grab~~	~~GW~~				~~12~~	X	X	X	X	X	X				X	1,4-D only	NO sample; LNAPL
~~MW-67~~	~~Grab~~	~~GW~~				~~13~~	X	X	X		X	X	X	X		X	1,4-D only	No sample; LNAPL
MW-55	Grab	GW		10/11/22	1245	11	X	X	X		X	X	X	X				-106

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCl / MeoH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project # **TRCATX-ARTESIA**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **(Navajo - Artesia)**

P.O. # **181054**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 18 of 19

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 15446101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~NCL-34A~~	Grab	GW				8	X	X		X	X	X					No Sample; LNAPL	
NCL-33	Grab	GW		10/11/22	1030	8	X	X		X	X	X						-107
NCL-44	Grab	GW		10/11/22	1530	8	X	X		X	X	X						-108
NCL-32	Grab	GW		10/11/22	1445	8	X	X		X	X	X						-109
MW-108	Grab	GW		10/11/22	1620	8	X	X		X	X	X						-110
NCL-31	Grab	GW		10/11/22	1400	8	X	X		X	X	X						-111
MW-54A	Grab	GW		10/11/22	1125	8	X	X		X	X	X						-112
NCL-49	Grab	GW		10/11/22	1220	8	X	X		X	X	X						-113
DUP-NCL-01	Grab	GW		10/11/22	930	8	X	X		X	X	X						-114
EB-NCL-01	Grab	GW		10/11/22	1240	8	X	X		X	X	X						-115

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	10/12/22	1415		~~10~~	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #
(Navajo - Artesia)

P.O. #
181054

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
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Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
TRIP BLANK-NCL-01	Grab	GW		10/11/22	—	1	X											-116

Chain of Custody Page 19 of 19

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
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L # 1546101
Table #
Acctnum: TRCATX
Template: T194233
Prelogin: P955027
TSR: 526
PB:
Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
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Remarks:

pH _____ Temp _____
Flow _____ Other _____

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__ UPS ✓ FedEx __ Courier __ _____

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COC Seal Present/Intact: __NP ✓Y __N
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Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Scott Ude	10/12/22	1415		10
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.13.22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 10/3/2023 9:42:06 AM

Received by OCD: 6/14/2023 2:10:34 PM

L1546101

Tracking Numbers	Temperature
5882 7563 7102	GBAG 0.9 +0 = 0.9
5882 7563 5544	GBAG 0.8 +0 = 0.8
5882 7563 7113	GBAG 3.9 +0 = 3.9
6053 3811 6653	GBAG 3.6 +0 = 3.6
5719 6175 7457	GBAG 2.6 +0 = 2.6
5882 7563 5533	GBAG 5.5 +0 = 5.5

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Released to Imaging: 10/3/2023 9:42:06 AM
Received by OCD: 6/14/2023 2:10:34 PM

Tracking Numbers	Temperature
6053 3811 6664	GBAG 0.5 +0 = 0.5
5719 6175 7479	GBAG 1.4 +0 = 1.4
5882 7563 7124	GBAG 4.4 +0 = 4.4
5163 7721 1299	GBAG 3.0 +0 = 3.0
5719 6175 6829	GBAG 1.5 +0 = 1.5
5719 6175 7468	GBAG 2.3 +0 = 2.3

2 of 3

Released to Imaging: 10/3/2023 9:42:06 AM
Received by OCD: 6/14/2023 2:10:34 PM

Tracking Numbers	Temperature
5163 7721 1325	~~GBA6~~ SAA6 2.1+0= 2.1
5163 7721 1303	GBA6 1.2+0= 1.2
5719 6175 6830	GBA6 0.9+0= 0.9
5719 6175 7446	GBA6 0.4+0= 0.4
5882 7563 7135	GBA6 2.8+0= 2.8
5882 7563 7146	GBA6 3.5+0= 3.5
5163 7721 1314	GBA6 3.1+0= 3.1

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10/13-L1546101 TRCATX NCF TD

R5

Time estimate: oh **Time spent:** oh

Members

Troy Dunlap (responsible) Christopher McCord KM Kelly Mercer

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Troy Dunlap *13 October 2022 7:09 PM*

1.) For MW-126B received 2-100ml (8270DIOXANE) and 2 - SV8011 vials no listed on the COC.
2.) For MW-102 and MW-105 received a SULFIDE container not listed on the COC.

Kelly Mercer *14 October 2022 10:39 AM*

1.) Please do not log for extra analyses-- client collected by accident.
2.) MW-102 and MW-105 sulfide bottles are for L1545969 NCF. Please log to L1545969.

Troy Dunlap *17 October 2022 9:46 AM*

Done.

Received by OCD: 6/14/2023 2:10:34 PM

Released to Imaging: 10/3/2023 9:42:06 AM

ANALYTICAL REPORT

January 27, 2023

TRC Solutions - Austin, TX

Sample Delivery Group:	L1579898
Samples Received:	10/13/2022
Project Number:	
Description:	Artesia Fall 2022
Site:	(NAVAJO-ARTESIA)
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

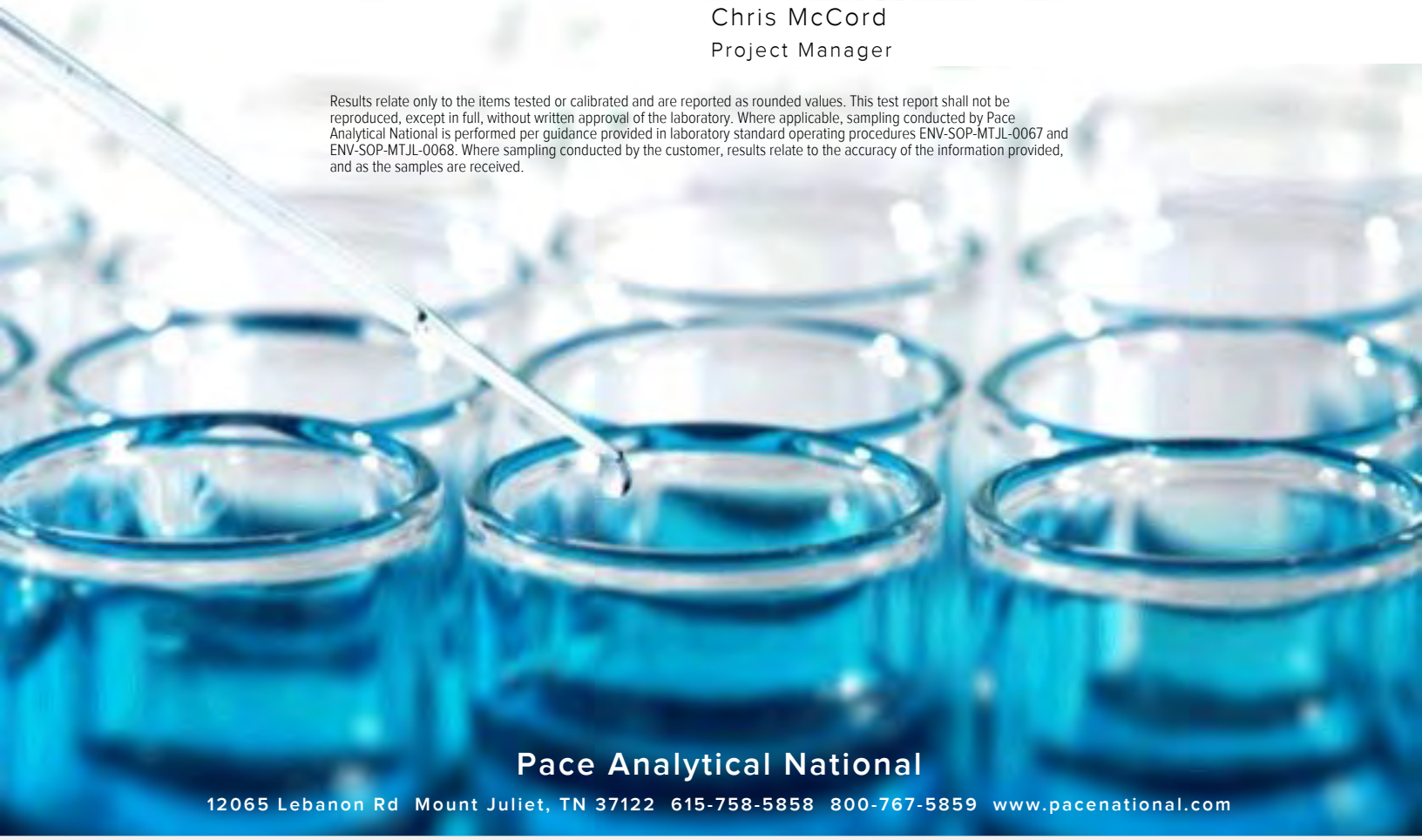


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Qc: Quality Control Summary 7

Metals (ICPMS) by Method 6020 7

Gl: Glossary of Terms 8

Al: Accreditations & Locations 9

Sc: Sample Chain of Custody 10

SAMPLE SUMMARY

DUP-REST-04 L1579898-01 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/11/22 11:00	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:28	JDG	Mt. Juliet, TN

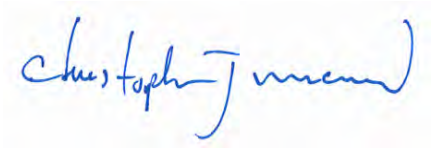
EB-REST-04 L1579898-02 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	10/11/22 11:50	10/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1947710	1	10/29/22 12:01	10/30/22 14:38	JDG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Received by OCD: 6/14/2023 2:10:34 PM

DUT-REST-04
Collected date/time: 10/11/22 11:00
L1579898

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	542		0.0936	1.00	1	10/30/2022 14:28	WG1947710
Potassium	1.33	J	0.108	2.00	1	10/30/2022 14:28	WG1947710
Sodium	263		0.376	2.00	1	10/30/2022 14:28	WG1947710

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	0.988	J	0.0936	1.00	1	10/30/2022 14:38	WG1947710
Potassium	U		0.108	2.00	1	10/30/2022 14:38	WG1947710
Sodium	1.69	J	0.376	2.00	1	10/30/2022 14:38	WG1947710

Received by OCD: 6/14/2023 2:10:34 PM

Method Blank (MB)

(MB) R3854705-1 10/30/22 13:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Calcium	U		0.0936	1.00
Potassium	U		0.108	2.00
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R3854705-2 10/30/22 14:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Calcium	5.00	5.04	101	80.0-120	
Potassium	5.00	4.99	99.8	80.0-120	
Sodium	5.00	5.25	105	80.0-120	

L1546101-81 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1546101-81 10/30/22 14:05 • (MS) R3854705-4 10/30/22 14:12 • (MSD) R3854705-5 10/30/22 14:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	5.00	572	571	581	0.000	184	1	75.0-125	V	V	1.81	20
Potassium	5.00	0.726	5.73	5.70	100	99.4	1	75.0-125			0.514	20
Sodium	5.00	672	672	676	0.000	71.8	1	75.0-125	V	V	0.567	20

Released to Imaging: 10/3/2023 9:42:06 AM

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
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Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **Artesia Fall 2022**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project #

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TRCATX-ARTESIA

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID #: **(Navajo - Artesia)**

P.O. #: **181054**

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Immediately Packed on Ice N ___ Y ✓

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PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-46R	Grab	GW		10/12/22	1210	8	X	X		X	X	X						78
MW-145	Grab	GW		10/11/22	1305	9	X	X	X	X	X							79
MW-146	Grab	GW	10/11/22	~~1140~~ SM	1140	9	X	X	X	X	X							80
MW-147	Grab	GW		10/11/22	1015	9	X	X	X	X	X							81
MW-148	Grab	GW		10/11/22	930	9	X	X	X	X	X						NOT REQUESTED SM	82
DUP-REST-02	Grab	GW		10/11/22	1600	14	X	X	X	X	X	X			X	X		83
EB-REST-02	Grab	GW		10/11/22	1715	14	X	X	X	X	X	X			X	X		84
DUP-REST-04	Grab	GW		10/11/22	1100	9	X	X	X	X	X						~~No Cations~~ analyze SM	85 -01
EB-REST-04	Grab	GW		10/11/22	1150	9	X	X	X	X	X					SM	~~No Cations~~ analyze SM	86 -02
TRIP BLANK-REST-03	Grab	GW		10/12/22	—	1	X									SM		87

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	10/12/22	1415		10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 987	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/13/22 Time: 0900	Hold: Condition: NCF / OK

Released to Imaging: 10/3/2023 9:42:06 AM

Received by OCD: 6/14/2023 2:10:34 PM

L1546101 *TRCATX* recapture

R0/R1

Please relog L1546101-85, -86 for CAG, KG, NAG and place into LG:DONE: MP:DONE:WG1947710 MA:HERE:WG1947710 for lab recapture. Log as EX due 1/28.

MSR - Please capture from existing data once added.

L1546101-85-WG1947710-67-ICPMS10-103022ICPMS10.csv
L1546101-86-WG1947710-70-ICPMS10-103022ICPMS10.csv

Thanks,
Chris

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P Please consider the environment before printing this email

Time estimate: oh **Time spent:** oh

Members

Christopher McCord (responsible)

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April 18, 2022

Dana Helbert, P.G.
Geologist, Associate Project Manager
TRC
505 E. Huntland Drive, Suite 250,
Austin, TX 78752
Ph: 512-202-6823

Subject: Letter Report for forensic chemical analysis of MW-28 non-aqueous phase liquid (NAPL) collected by TRC at the Holly Frontier Refinery in Artesia, New Mexico.

Dear Ms. Helbert,

This letter report summarizes the analysis of MW-28 NAPL for chemical fingerprinting collected at the Holly Frontier Refinery in Artesia, New Mexico. The objective of this work described herein was to chemically characterize the NAPL hydrocarbon signature, describe the degree of weathering the sample has undergone and where possible attempt to age constrain the material identified.

Sampling and Analysis

This NAPL sample MW-28 was collected by TRC personnel on February 10, 2022. After collection, the sample was stored in a secure location and shipped by overnight carrier to Newfield's' alliance laboratory, Alpha Analytical Laboratory (Alpha) for forensic chemical analysis. Upon receipt, the sample was logged into Alpha's laboratory information management system (LIMS) and given a unique laboratory identification. The sample was stored in a limited access refrigerator at 4°C until processed for analysis. Summary information of the sample collected is provided in the table below.

Client ID	Alpha ID	Matrix	Date Collected	Date Received	Dual Whole Oil Fingerprint 8015M/8270M GC/FID/MS	PIANO Volatiles 8260M	Organic Lead 8270M	PAHs 8270M
MW-28	L2210341-01	NAPL	2/10/22	3/1/22	X	X	X	X

The NAPL sample was analyzed using a whole oil fingerprinting method designed specifically for the forensic analysis of petroleum, as described by Douglas et.al. (2015).[1] Additional PIANO volatiles, organic lead and PAH analyses were initiated for further assessment.

(1) *Whole Oil Fingerprinting*: The NAPL sample was analyzed by a "whole oil" gas chromatography technique, using tandem high resolution gas chromatography-flame ionization detection (GC/FID) and high-resolution gas chromatography-mass spectrometry (GC/MS) following adaptations of modified EPA Method 8015 and modified EPA Method 8270, respectively. These analyses provide detailed information about the occurrence and distribution of hydrocarbons over the C_4 to C_{44+} carbon range. The resulting GC profiles depict the type or types of petroleum products in the NAPL.

(2) *PIANO Quantification and Fingerprinting*: a modified EPA Method 8260 purge-and-trap gas chromatography with mass spectrometry (GC/MS) method was used to measure 90+

[1] Douglas, G.D., Emsbo-Mattingly, S.D., Stout, S.A., Uhler, A.D., and McCarthy, K.J. (2007) Chemical fingerprinting of hydrocarbons and polychlorinated biphenyls. In: *Introduction to Environmental Forensics, 2nd Ed.*, B. Murphy and R. Morrison, Eds., Academic Press, New York, pp. 317-459

C_5-C_{12} volatile, gasoline range compounds from five major hydrocarbon classes: paraffins, isoparaffins, aromatics, naphthenes, and olefins (PIANO). In addition, various oxygenated compounds commonly found in oxygenated and reformulated gasolines were analyzed including *tert*-butyl alcohol (TBA), methyl-*tert*-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl-*tert*-butyl ether (ETBE), and *tert*-amyl-methyl ether (TAME). Lead scavengers historically used in leaded gasoline (1,2-dichloroethane and 1,2-dibromoethane) and various volatile sulfur species are also targeted. A full list of the volatile hydrocarbons measured, and compound name abbreviations used in graphical presentation of data is provided in **Table 2**.

(3) *Organic Lead Quantification and Speciation*: a modified EPA Method 8270 GC/MS technique was used to measure the concentrations of five organic lead compounds – tetraethyl lead (TEL), trimethylethyl lead (TMEL), dimethyldiethyl lead (DEDML), triethylmethyl lead (TEML), and tetramethyl lead (TML)–historically used in the formulation of leaded gasoline additive packages. The type(s) and concentrations of organic lead compounds found in (or absent from) gasoline NAPL provide insight into the production period of gasoline that contain organic lead.

(4) *Polycyclic Aromatic Hydrocarbons (PAH) Quantification and Fingerprinting*: a modified EPA Method 8270 gas chromatography with mass spectrometry (GC/MS-SIM) method was used to determine the concentrations of semi-volatile compounds or compound groups, including parent and alkylated PAHs and sulfur-containing aromatics. These compounds provided specific information regarding the nature (i.e., petrogenic or pyrogenic) and type(s) of hydrocarbons found in the samples. **Table 3** lists the PAH parameters measured and provides compound abbreviations.

The data from these analyses was used to determine the type(s) of petroleum that composed the sample and the degree of weathering the petroleum has undergone since its release.

Results and Discussion

Resulting data underwent several levels of review. NewFields performed an independent review of the data generated by Alpha Laboratory, to ensure that data quality objectives were satisfied.

The complete Alpha Environmental Testing Reports (ETRs) including all sample preparation data and chromatograms is maintained on file by NewFields (ETR L2210341)

Forensic Analysis

The fundamental tool for forensic chemical characterization of NAPL is gas chromatography and the basic output from that analysis, the gas chromatogram. The gas chromatogram describes the occurrence and relative distribution of petroleum hydrocarbon compounds in a sample. The chromatogram depicts, from left to right, the distribution of the most to least volatile hydrocarbons in a sample[2]. The peaks that appear in the chromatogram represent discrete compounds, the height of which is proportional to the abundance of those compounds in the petroleum. Every petroleum product has a relatively unique and recognizable distribution of hydrocarbons that are the result of the products refining and blending characteristics. It is this fundamental gas chromatographic feature – the GC "fingerprint" – that allows the environmental chemist to identify and distinguish one petroleum product from another. Though weathering processes can alter the chromatographic signature of hydrocarbons, the intrinsic product characteristics of even weathered products can usually be inferred from a sample's chromatographic "fingerprint".

[2] The elution order (e.g., retention time) of peaks on the chromatogram is a function of volatility with the most volatile compounds eluting early in the GC run (e.g., n-C_{10}), and the less volatile hydrocarbons eluting later in the GC run (e.g., n-C_{30}).

General Composition of the NAPL Sample MW-28 Whole Oil Fingerprint

Figure 1 provides the whole oil GC/FID fingerprint for the NAPL sample MW-28. The whole oil gas chromatogram of MW-28 reveals that the NAPL sample is composed predominantly of middle distillate/diesel fuel with a lesser contribution of automotive gasoline. There is no contribution of a residual fuel such as lubricating oil or waste oil in the C_{26+} range. **Figure 1** provides the whole oil GC/FID fingerprints for a regular grade gasoline, heavy fuel oil, kerosene, and diesel laboratory reference products to provide examples of fresh petroleum products in the associated carbon ranges. These unique characteristics are discussed further below.

The gas chromatogram for the MW-28 sample **(Figure 1, Panel 1)** exhibits resolved peaks in the C_5 to C_{12} range in proportions that are consistent with automotive gasoline **(Figure 1, Panel 2)**.[3] The gasoline component appears to have experienced weathering by both primarily evaporation and water-washing. The prominent compounds present include methylcyclohexane, trimethylpentane (TMP) isomers, and monoaromatics, including toluene, ethylbenzene, xylenes and numerous C3- and C4-alkylbenzenes. The dominant weather resistant naphthenic compounds (such as methylcyclopentane, cyclohexane and methylcyclohexane) are evident in the NAPL sample relative to other more soluble aromatic compounds such as benzene, toluene and xylenes.

In addition, the chromatogram for MW-28 reveals evidence of the dominant middle distillate component (i.e., diesel fuel, fuel oil #2) which consists of a mixture of various hydrocarbons in the C_9 to C_{26} range. There is a broad unresolved complex mixture (UCM: a mixture of hundreds of hydrocarbon chemicals that are not resolved by gas chromatography which appear as a broad "hump" in the chromatogram). Fresh middle distillates like what has been included in **Figure 1, Bottom Panel** exhibit evidence of the regular series of peaks that are identified as normal (straight-chained) and branched-chain alkanes.[4] These normal alkanes are absent in MW-28 indicating a weathered middle distillate component present.

Apportionment of the percentages of automotive gasoline and middle distillate material in the NAPL was calculated by manual range integrations of the chromatograms splitting up the proportions of gasoline-range to diesel-range hydrocarbons. There is some overlap in the carbon ranges of the gasoline and the diesel fuel that occurs in the C_9-C_{12} range, therefore the apportionment should be considered as a reasonable estimate of true composition. These manual range integration areas allowed for the following percentages calculations (**Table 1**) found below. The bulk chemical makeup of each NAPL aliquot studied is summarized in the following sections.

Table 1. Whole Oil Estimated Carbon Ranges Identified as % Gasoline and % Diesel Range Hydrocarbons

Client ID	% Gasoline	% Diesel
MW-28	37	63

% Gasoline Range Integration (After Solvent to after C_{10})
% Diesel Range Integration (After C_{10} to after C_{26})

[3] Stout, S.A., Douglas, G.S., and Uhler, A.D. (2006) Automotive gasoline. In: B. Murphy and R. Morrison, Eds., Environmental Forensics: A Contaminant Specific Approach. Elsevier Publishing Co., San Francisco, CA. pp. 466-531
[4] Stout, S.A. and Wang, Z. (2007). Chemical fingerprinting of spilled or discharged petroleum: Methods and factors affecting petroleum fingerprints in the environment. In Wang, Z. and Stout, S. (eds). Oil Spill Environmental Forensics. Fingerprinting and Source Identification. Academic Press, Burlington MA.

PIANO Volatiles NAPL Sample MW-28 Summary

The PIANO histogram of MW-28 is presented in **Figure 2, Panel 1**. The overall composition of the automotive gasoline is consistent with a modern, unleaded gasoline as observed in the regular grade gasoline laboratory reference sample **Figure 2, Panel 2**.

The PIANO analysis includes the five modern oxygenated compounds analyzed (e.g., TBA, MTBE, DIPE, ETBE, TAME). None of the five modern oxygenates were detected in NAPL MW-28. Fresh (unweathered) oxygenated gasoline historically contained these compounds in the 10,000 to 100,000+ ppm range. These oxygenate compounds are very water-soluble and partition from gasoline into groundwater relatively quickly. The absence of these water-soluble compounds in NAPL sample does not rule out that the fresh gasoline could have contained oxygenates at one time.

The use of these ethers was banned in U.S. gasolines since (effectively) the Spring 2006 following EPA's elimination of the oxygen requirement in gasolines.[5] Many states banned the use of MTBE in years prior although still allowed incidental concentrations < 5000 mg/kg. Thus, despite the effective or actual bans on MTBE, the incidental occurrence of TBA, MTBE, DIPE, ETBE and/or TAME in modern gasolines in not unexpected due to ethers continuing production in the U.S. (mostly for export).

Weathering state of the gasoline component of WM-28

The three major weathering processes that can affect the composition of fugitive gasoline in the subsurface are evaporation, water washing, and biodegradation. The chromatographic data for the NAPL MW-28 is consistent with fuel that has undergone considerable environmental alteration.
The further quantitative volatiles analysis that was performed on the NAPL aids in confirming the qualitative fingerprint observation discussed above. **Figure 2 Panel 2** provides an example of fresh dispensed gasoline to assist in observing the loss of the most volatile fraction of the gasoline present in NAPL sample MW-28 (**Figure 2, Panel 1**).

The most volatile chemical measured in the gasoline is isopentane. The isopentane concentration in NAPL MW-28 was 1,480 mg/Kg. This value is considerably less than the nominal range of isopentane in fresh gasoline (71,000-88,000 mg/kg[6])—a result of evaporative weathering of the most volatile components in gasoline. The reference gasoline sample presented herein contained 84,800 mg/kg isopentane.

The NAPL MW-28 has experienced a considerable amount of water washing. The most water-soluble hydrocarbon compounds in gasoline are monoaromatic compounds (BTEX), with benzene (solubility=1,440 ppm at 25˚C) being the most soluble of the group and is present at 422 parts per million (ppm). Benzene concentrations vary in gasoline but typically found in the 6,500-8,000-ppm range. The reference gasoline sample presented herein contained 10,200 mg/kg benzene. The diminished benzene concentration suggests a gasoline that has experienced significant water washing.

The gasoline fraction of MW-28 has undergone water washing, i.e., removal of water-soluble gasoline constituents through contact with water infiltrating vadose zone soils, or through direct contact with groundwater. Fresh gasoline contains abundant benzene and toluene relative to ethylbenzene and xylene. Benzene and toluene preferentially dissolve from NAPL into groundwater, leading to diminishing values for the ratio as gasoline weathers. Kaplan (1997) reports ratio values between 0.64 and 1.13 for fresh, unleaded gasolines. NewFields research library of dispensed gasoline fuels shows that 90% of its 100

[5] Energy Policy Act (2005)
[6] Potter, T.L.and Simmons, K.E. (1998). Total Petroleum Hydrocarbon Criteria Working Group Series. Volume 2. Composition of petroleum mixtures. Amherst Scientific Publishers, Amherst MA.

samples have B+T/E+X that fall between 0.6 and 1.5, with a median value of 0.9. The B+T/E+X ratio for the NAPL MW-28 was 0.11, exhibiting a highly water washed gasoline component present.

Organic Lead Analysis Summary of NAPL MW-28

Analysis of the NAPL sample MW-28 revealed that the sample did contain organic lead components. The dominant lead compound in MW-28 was tetraethyl lead (TEL) with a minor MTEL contribution with an estimated .19 grams lead per gallon (glpg). It is likely the automotive gasoline containing lead originated prior to 1960 or after 1985 when TEL only was the dominant lead component being used. The lead component concentration as has other constituents been affected by the comingling of multiple fuels.

Organic lead, in the form of (TEL), was introduced as a gasoline additive in 1923, and was the sole type of organic lead used in gasoline blending until approximately 1960. From approximately 1960 until about 1985, reacted mixtures (RM) and physical mixtures (PM) of five organic lead compounds—TEL, TMEL, DEDML, TEML, and TML were commonly used for amending leaded gasoline. For economic reasons, RM and PM of organic leads were discontinued in about 1985. TEL was again the only lead additive available to refiners from about 1985 and through the remainder of the lead phasedown era, until the use of lead was completely outlawed in the US gasoline pool in 1996.

While varying between published sources, the following dates and maximum allowed lead levels are generally accepted as milestones in the U.S. EPA mandated reduction of organic Lead concentrations:[7,8,9,10,11,12,3,6]

- 3.17 glpg (1926)
- 4.23 glpg (1959)
- 1.1 glpg (1982)
- 0.5 glgal (1985)
- 0.1 glgal (1988)
- Complete elimination in California (1992)
- Complete elimination in all US (1996)

Note that these levels are the maximum allowed and should be used only as approximate guidelines in estimating an approximate period of release for a gasoline.

Weathering Features of the Middle Distillate in MW-28 NAPL

The weathered middle distillate fraction makes up 63% of NAPL MW-28. The normal alkane n-C_{17} and the branched chain isoprenoid pristane are abundant in fresh diesel fuel (and other mid-boiling petroleum products and crude oils). The n-alkane n-C_{17} can be preferentially biodegraded compared to the more stable isoprenoid pristane identified in **Figure 1, Panel 1** relative to the reference fresh diesel fuel presented in **Figure 1, Panel 5**. Thus, the ratio decreases with increasing degree of biodegradation. This ratio is routinely used as an indicator of petroleum weathering state.[13,3] The ratio of n-C_{17}/pristane in fresh

[7] Stout, SA, A D Uhler, K J McCarthy. (1999). Fingerprinting of Gasolines. Soil & Groundwater Cleanup.
[8] Shelton, EM, M L Whisman, P W Woodward. (1982). Trends in Motor Gasolines: 1942-1981. United States Department of Energy.
[9] Kaplan, IR, Y Galperin. (1996). How to recognize a hydrocarbon fuel in the environment and estimate its age of release. Groundwater and Soil Contamination: Technical Preparation and Litigation Management. New York, John Wiley & Sons, Inc.
[10] Gibbs, LM. (1990). Gasoline Additives - When and Why. Warrendale, Pennsylvania, Society of Automotive Engineers. SAE Technical Paper Series No. 902104.
[11] Gibbs, L. M. How Gasoline Has Changed. SAE Technical Paper Number 932828. (Fuels and Lubricants Meeting and Exposition) October 1993.
[12] Kaplan, I. R., and Y. Galperin. 1996. How to Recognize a Hydrocarbon Fuel in the Environment and Estimate its Age of Release. In Groundwater and Soil Contamination: Technical Preparation and Litigation Management. pp. 145-199.
[13] Kaplan, I.R. (2003). Age dating of environmental organic residues. Environ. Forensics. 4: 95-141.

diesel fuel has been documented to be approximately 2.0. [14] The n-C_{17}/pristane ratio measured in the MW-28 NAPL sample was 0.00 suggesting the middle distillate component of the sample aliquot collected is highly weathered. This ratio was calculated manually from the integration area values of the whole oil fingerprints.

PAH Features of the Middle Distillate in MW-28 NAPL

The PAH histogram for MW-28 is provided in **Figure 3, Panel 1** to further illustrate the characteristics exclusive to middle distillate (i.e., diesel fuel/fuel #2). The MW-28 PAH compound histogram display "bell shaped" petrogenic distributions consistent with middle distillate fuels (dominated by 2-and 3-ring PAHs which exhibit the "bell-shape" homologue profile, typical of middle distillate petroleum). The relative abundance of alkylated naphthalenes, alkylated phenanthrenes, and dibenzothiophenes are consistent with middle distillates and heavier fuel oils. The less prominent 4- and 5-ring PAHs is consistent with the presence of the dominant middle distillate product. A diesel fuel laboratory reference sample is also provided in **Figure 3, Panel 2** to illustrate the similarities in chemical makeup of the distillate present in MW-28.

Conclusion

The requested analysis of NAPL sample MW-28 for chemical fingerprinting collected at the Holly Frontier Refinery in Artesia, New Mexico allows for the following conclusions:

- The MW-28 NAPL sample is composed predominantly of diesel fuel (63%) with less amount of automotive gasoline (37%).
- The gasoline and diesel components of the MW-28 NAPL both appear weathered.
- The gasoline component of the MW-28 NAPL is likely comingled with a predominantly modern, alkylate rich fuel along with a leaded gasoline component by way of the primary TEL presence in the organic lead data.
- The MW-28 NAPL demonstrates petrogenic distributions consistent with middle distillate fuels dominated by 2-and 3-ring PAHs which exhibit the "bell-shape" homologue profile typical of middle distillate petroleum.

Please do not hesitate to contact me if you have any questions regarding this letter.

Sincerely,

Ted Healey

Ted Healey
Senior Research Scientist

[14] Morrison, R. Environmental Forensics: Principles and Applications. 1999. CRC Press.

Table 2. Volatile Hydrocarbon Compounds Measured in the Study Samples

Abbr.	Analytes	Abbr.	Analytes
IP	Isopentane	C8	Octane
1P	1-Pentene	12DBE	1,2-Dibromoethane
2M1B	2-Methyl-1-butene	EB	Ethylbenzene
C5	Pentane	2ETHIO	2-Ethylthiophene
T2P	2-Pentene (trans)	MPX	p/m-Xylene
C2P	2-Pentene (cis)	1N	1-Nonene
TBA	Tertiary butanol	C9	Nonane
CYP	Cyclopentane	STY	Styrene
23DMB	2,3-Dimethylbutane	OX	o-Xylene
2MP	2-Methylpentane	IPB	Isopropylbenzene
MTBE	MTBE	PROPB	n-Propylbenzene
3MP	3-Methylpentane	1M3EB	1-Methyl-3-ethylbenzene
1HEX	1-Hexene	1M4EB	1-Methyl-4-ethylbenzene
C6	Hexane	135TMB	1,3,5-Trimethylbenzene
DIPE	Diisopropyl Ether	1D	1-Decene
ETBE	Ethyl Tertiary Butyl Ether	1M2EB	1-Methyl-2-ethylbenzene
22DMP	2,2-Dimethylpentane	C10	Decane
MCYP	Methylcyclopentane	124TMB	1,2,4-Trimethylbenzene
24DMP	2,4-Dimethylpentane	SECBUT	sec-Butylbenzene
12DCA	1,2-Dichloroethane	1M3IPB	1-Methyl-3-isopropylbenzene
CH	Cyclohexane	1M4IPB	1-Methyl-4-isopropylbenzene
2MH	2-Methylhexane	1M2IPB	1-Methyl-2-isopropylbenzene
B	Benzene	IN	Indan
23DMP	2,3-Dimethylpentane	1M3PB	1-Methyl-3-propylbenzene
THIO	Thiophene	1M4PB	1-Methyl-4-propylbenzene
3MH	3-Methylhexane	BUTB	n-Butylbenzene
TAME	TAME	12DM4EB	1,2-Dimethyl-4-ethylbenzene
1H	1-Heptene/1,2-DMCP (trans)	12DEB	1,2-Diethylbenzene
ISO	Isooctane	1M2PB	1-Methyl-2-propylbenzene
C7	Heptane	14DM2EB	1,4-Dimethyl-2-ethylbenzene
MCYH	Methylcyclohexane	C11	Undecane
25DMH	2,5-Dimethylhexane	13DM4EB	1,3-Dimethyl-4-ethylbenzene
24DMH	2,4-Dimethylhexane	13DM5EB	1,3-Dimethyl-5-ethylbenzene
223TMP	2,2,3-Trimethylpentane	13DM2EB	1,3-Dimethyl-2-ethylbenzene
234TMP	2,3,4-Trimethylpentane	12DM3EB	1,2-Dimethyl-3-ethylbenzene
233TMP	2,3,3-Trimethylpentane	1245TMP	1,2,4,5-Tetramethylbenzene
23DMH	2,3-Dimethylhexane	PENTB	Pentylbenzene
3EH	3-Ethylhexane	C12	Dodecane
2MHEP	2-Methylheptane	N0	Naphthalene
3MHEP	3-Methylheptane	BT0	Benzothiophene
T	Toluene	MMT	MMT
2MTHIO	2-Methylthiophene	C13	Tridecane
3MTHIO	3-Methylthiophene	2MN	2-Methylnaphthalene
1O	1-Octene	1MN	1-Methylnaphthalene

Table 3. Polycyclic Aromatic and Related Heterocyclic Target Analytes.

Abbr.	Compound	Abbr.	Compound
D0	cis/trans-Decalin	FL0	Fluoranthene
D1	C1-Decalins	PY0	Pyrene
D2	C2-Decalins	FP1	C1-Fluoranthenes/Pyrenes
D3	C3-Decalins	FP2	C2-Fluoranthenes/Pyrenes
D4	C4-Decalins	FP3	C3-Fluoranthenes/Pyrenes
BT0	Benzothiophene	FP4	C4-Fluoranthenes/Pyrenes
BT1	C1-Benzo(b)thiophenes	NBT0	Naphthobenzothiophenes
BT2	C2-Benzo(b)thiophenes	NBT1	C1-Naphthobenzothiophenes
BT3	C3-Benzo(b)thiophenes	NBT2	C2-Naphthobenzothiophenes
BT4	C4-Benzo(b)thiophenes	NBT3	C3-Naphthobenzothiophenes
N0	Naphthalene	NBT4	C4-Naphthobenzothiophenes
N1	C1-Naphthalenes	BA0	Benz[a]anthracene
N2	C2-Naphthalenes	C0	Chrysene/Triphenylene
N3	C3-Naphthalenes	BC1	C1-Chrysenes
N4	C4-Naphthalenes	BC2	C2-Chrysenes
B	Biphenyl	BC3	C3-Chrysenes
DF	Dibenzofuran	BC4	C4-Chrysenes
AY	Acenaphthylene	BBF	Benzo[b]fluoranthene
AE	Acenaphthene	BJKF	Benzo[k]fluoranthene/Benzo[j]fluoranthene
F0	Fluorene	BAF	Benzo[a]fluoranthene
F1	C1-Fluorenes	BEP	Benzo[e]pyrene
F2	C2-Fluorenes	BAP	Benzo[a]pyrene
F3	C3-Fluorenes	PER	Perylene
A0	Anthracene	IND	Indeno[1,2,3-cd]pyrene
P0	Phenanthrene	DA	Dibenz[a,h]anthracene/Dibenz[a,c]anthracene
PA1	C1-Phenanthrenes/Anthracenes	GHI	Benzo[g,h,i]perylene
PA2	C2-Phenanthrenes/Anthracenes	CAR	Carbazole
PA3	C3-Phenanthrenes/Anthracenes	4MDT	4-Methyldibenzothiophene
PA4	C4-Phenanthrenes/Anthracenes	2MDT	2/3-Methyldibenzothiophene
RET	Retene	1MDT	1-Methyldibenzothiophene
DBT0	Dibenzothiophene	3MP	3-Methylphenanthrene
DBT1	C1-Dibenzothiophenes	2MP	2/4-Methylphenanthrene
DBT2	C2-Dibenzothiophenes	2MA	2-Methylanthracene
DBT3	C3-Dibenzothiophenes	9MP	9-Methylphenanthrene
DBT4	C4-Dibenzothiophenes	1MP	1-Methylphenanthrene
BF	Benzo(b)fluorene		

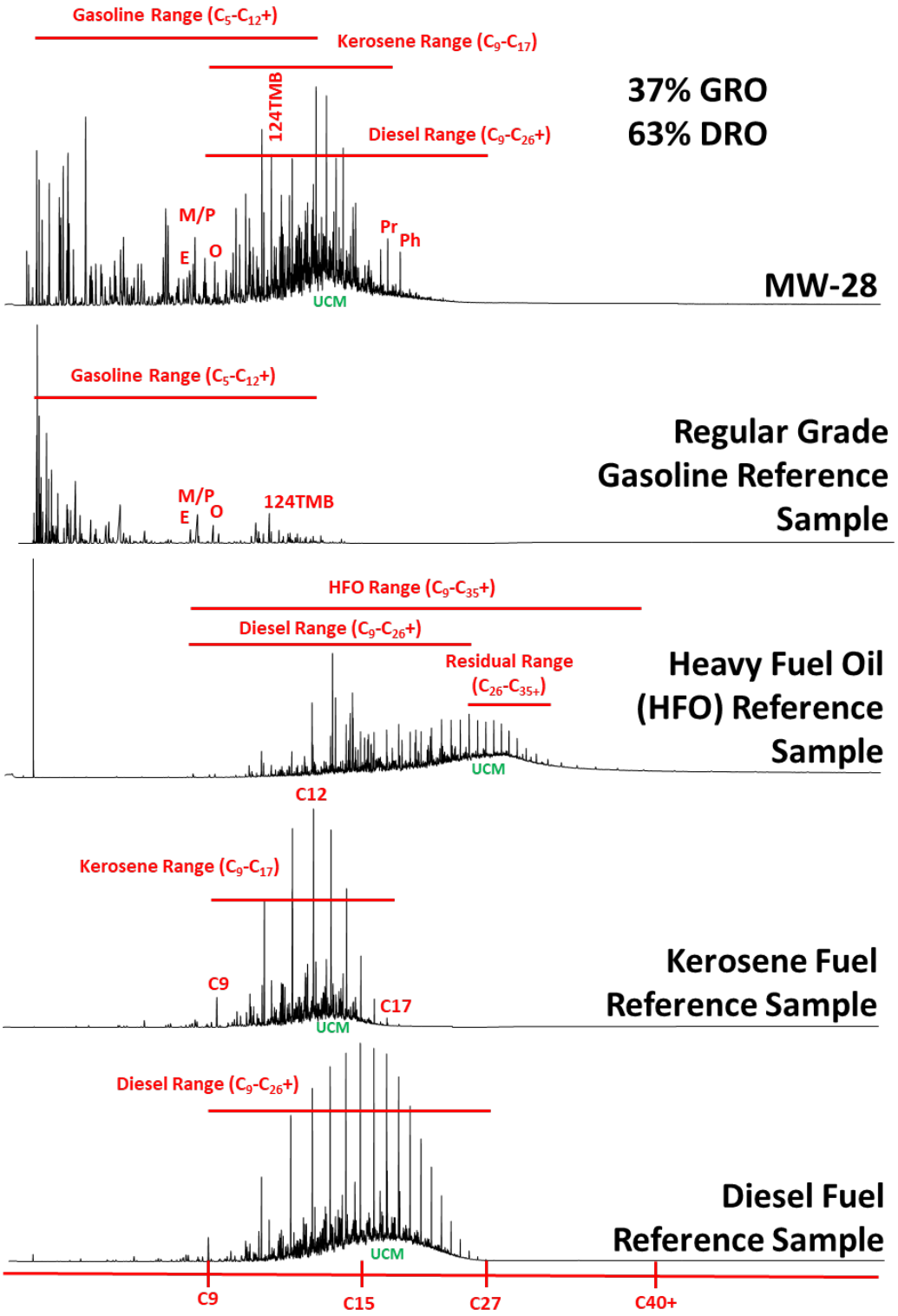


Figure 1. Whole oil GC/FID chromatograms of NAPL sample MW-28 and Laboratory Reference Products.

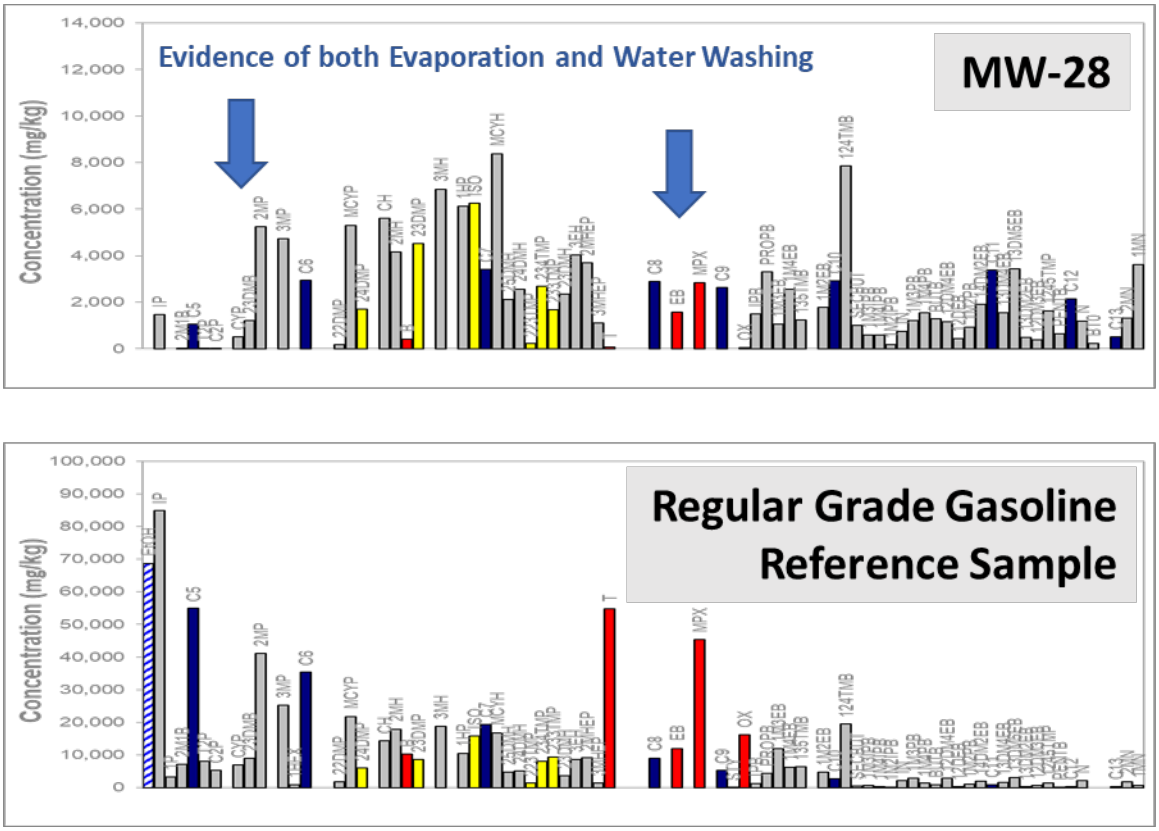


Figure 2. Histograms of the volatile (gasoline range) PIANO compounds that compose the NAPL sample MW-28 along with a Dispenser Regular Grade Gasoline Laboratory Reference Sample.
Key code: Blue – normal alkanes; Red – BTEX compounds, Yellow – octane isomers

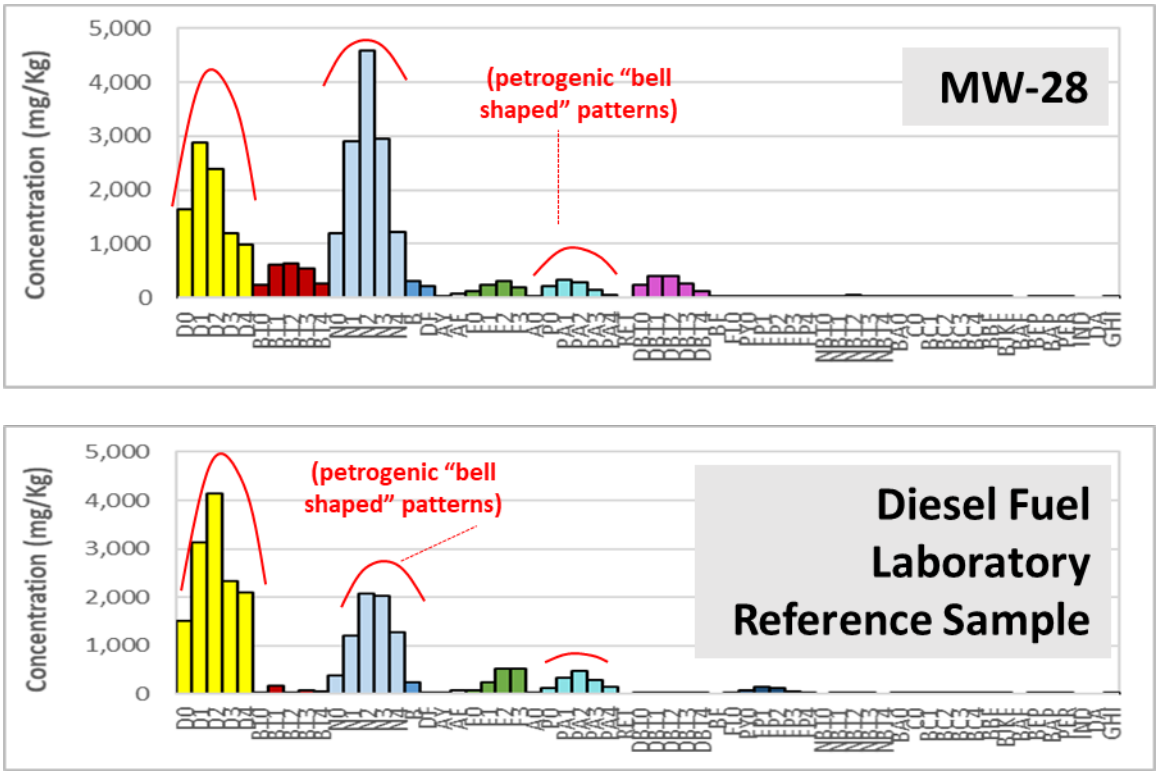


Figure 3. Histograms of the semi-volatile compounds that compose the NAPL sample MW-28 along with a Diesel Fuel Laboratory Reference Sample.

Attachment

ANALYTICAL REPORT

Lab Number:	L2210341
Client:	NewFields 300 Ledgewood Place Suite 305 Rockland, MA 02370
ATTN:	Ted Healey
Phone:	(781) 264-4950
Project Name:	HFNR ARTESIA 22GW
Project Number:	476077
Report Date:	04/04/22

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

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Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2210341-01	MW-28	OIL	Not Specified	02/10/22 13:10	03/01/22

Project Name:	HFNR ARTESIA 22GW	**Lab Number:**	L2210341
Project Number:	476077	**Report Date:**	04/04/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2210341-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2210341-01D2: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG1622086-6 Method Blank, associated with L2210341-01D2 and -01D, has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

Semivolatile Organics

The WG1620979-1 Method Blank, associated with L2210341-01, has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

The continuing calibration verification WG1616683-3 exceeded the 24hr frequency criteria from the previous CCV; however, less than 10 field samples were injected between. The calibration was accepted and no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 04/04/22

Released to Imaging: 10/3/2023 9:42:06 AM

ORGANICS

VOLATILES

Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01 D2
Client ID: MW-28
Sample Location: Not Specified
Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260B(M)
Analytical Date: 03/29/22 23:04
Analyst: RY
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
Methylcyclohexane	8380		mg/kg	1820	387.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130

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Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01 D
Client ID: MW-28
Sample Location: Not Specified
Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260B(M)
Analytical Date: 03/29/22 19:29
Analyst: RY
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
Isopentane	1480		mg/kg	91.0	33.9	10
1-Pentene	ND		mg/kg	91.0	28.1	10
2-Methyl-1-Butene	37.3	J	mg/kg	91.0	29.9	10
Pentane	1050		mg/kg	91.0	28.3	10
trans-2-Pentene	17.8	J	mg/kg	91.0	32.0	10
cis-2-Pentene	8.32	J	mg/kg	91.0	23.8	10
Tertiary Butanol	ND		mg/kg	1140	368.	10
Cyclopentane	509		mg/kg	91.0	23.6	10
2,3-Dimethylbutane	1220		mg/kg	91.0	37.6	10
2-Methylpentane	5240		mg/kg	91.0	29.3	10
Methyl tert butyl ether	ND		mg/kg	91.0	28.3	10
3-Methylpentane	4730		mg/kg	91.0	17.6	10
1-Hexene	ND		mg/kg	91.0	26.1	10
n-Hexane	2940		mg/kg	91.0	26.5	10
Isopropyl Ether	ND		mg/kg	91.0	25.0	10
Ethyl-Tert-Butyl-Ether	ND		mg/kg	91.0	23.7	10
2,2-Dimethylpentane	187		mg/kg	91.0	23.6	10
Methylcyclopentane	5300		mg/kg	91.0	27.6	10
2,4-Dimethylpentane	1700		mg/kg	91.0	23.9	10
1,2-Dichloroethane	ND		mg/kg	91.0	27.5	10
Cyclohexane	5610		mg/kg	91.0	26.3	10
2-Methylhexane	4150		mg/kg	91.0	21.2	10
Benzene	422		mg/kg	91.0	19.7	10
2,3-Dimethylpentane	4520		mg/kg	91.0	23.0	10
Thiophene	ND		mg/kg	91.0	23.6	10
3-Methylhexane	6860		mg/kg	91.0	23.9	10
Tertiary-Amyl Methyl Ether	ND		mg/kg	91.0	24.1	10
1-Heptene/1,2-DMCP (trans)	6130		mg/kg	182	55.8	10

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Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01 D
Client ID: MW-28
Sample Location: Not Specified
Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
Isooctane	6250		mg/kg	91.0	21.3	10
Heptane	3420		mg/kg	91.0	25.0	10
Methylcyclohexane	11600	E	mg/kg	91.0	19.4	10
2,5-Dimethylhexane	2130		mg/kg	91.0	21.8	10
2,4-Dimethylhexane	2560		mg/kg	91.0	21.5	10
2,2,3-Trimethylpentane	231		mg/kg	91.0	22.8	10
2,3,4-Trimethylpentane	2690		mg/kg	91.0	20.9	10
2,3,3-Trimethylpentane	1690		mg/kg	91.0	19.9	10
2,3-Dimethylhexane	2340		mg/kg	91.0	22.0	10
2-Methylheptane	4030		mg/kg	91.0	21.1	10
3-Methylheptane	3700		mg/kg	91.0	27.3	10
3-Ethylhexane	1110		mg/kg	91.0	23.2	10
Toluene	85.8	J	mg/kg	91.0	13.2	10
2-Methylthiophene	ND		mg/kg	91.0	13.5	10
3-Methylthiophene	ND		mg/kg	91.0	14.0	10
1-Octene	ND		mg/kg	227	13.9	10
Octane	2900		mg/kg	91.0	19.2	10
1,2-Dibromoethane	ND		mg/kg	91.0	14.6	10
Ethylbenzene	1570		mg/kg	91.0	9.82	10
2-Ethylthiophene	ND		mg/kg	91.0	9.96	10
p/m-Xylene	2840		mg/kg	182	25.6	10
1-Nonene	ND		mg/kg	227	9.42	10
Nonane (C9)	2630		mg/kg	91.0	19.9	10
Styrene	ND		mg/kg	91.0	12.6	10
o-Xylene	52.9	J	mg/kg	91.0	14.0	10
Isopropylbenzene	1500		mg/kg	91.0	15.2	10
n-Propylbenzene	3300		mg/kg	91.0	17.2	10
1-Methyl-3-Ethylbenzene	1060		mg/kg	91.0	14.6	10
1-Methyl-4-Ethylbenzene	2570		mg/kg	91.0	16.6	10
1,3,5-Trimethylbenzene	1240		mg/kg	91.0	17.3	10
1-Decene	ND		mg/kg	91.0	12.6	10
1-Methyl-2-Ethylbenzene	1780		mg/kg	91.0	18.6	10
Decane (C10)	2930		mg/kg	91.0	13.9	10
1,2,4-Trimethylbenzene	7860		mg/kg	91.0	19.9	10
sec-Butylbenzene	1020		mg/kg	91.0	18.4	10
1-Methyl-3-Isopropylbenzene	588		mg/kg	91.0	17.1	10
1-Methyl-4-Isopropylbenzene	596		mg/kg	91.0	20.9	10

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Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01 D
Client ID: MW-28
Sample Location: Not Specified
Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
1-Methyl-2-Isopropylbenzene	180		mg/kg	91.0	25.0	10
Indane	748		mg/kg	91.0	21.0	10
1-Methyl-3-N-Propylbenzene	1220		mg/kg	91.0	20.1	10
1-Methyl-4-N-Propylbenzene	1560		mg/kg	91.0	21.4	10
n-Butylbenzene	1280		mg/kg	91.0	22.7	10
1,2-Dimethyl-4-Ethylbenzene	1170		mg/kg	91.0	22.1	10
1,2-Diethylbenzene	431		mg/kg	91.0	21.0	10
1-Methyl-2-N-Propylbenzene	926		mg/kg	91.0	18.5	10
1,4-Dimethyl-2-Ethylbenzene	1900		mg/kg	91.0	20.3	10
Undecane	3390		mg/kg	91.0	32.1	10
1,3-Dimethyl-4-Ethylbenzene	1560		mg/kg	91.0	19.5	10
1,3-Dimethyl-5-Ethylbenzene	3430		mg/kg	91.0	22.1	10
1,3-Dimethyl-2-Ethylbenzene	498		mg/kg	91.0	21.6	10
1,2-Dimethyl-3-Ethylbenzene	379		mg/kg	91.0	19.8	10
1,2,4,5-Tetramethylbenzene	1640		mg/kg	91.0	20.6	10
N-Pentylbenzene	655		mg/kg	91.0	18.0	10
Dodecane (C12)	2150		mg/kg	227	39.9	10
Naphthalene	1200		mg/kg	91.0	37.9	10
Benzothiophene	230		mg/kg	91.0	48.0	10
MMT	ND		mg/kg	227	58.4	10
Tridecane	514		mg/kg	227	59.0	10
2-Methylnaphthalene	1310		mg/kg	227	60.1	10
1-Methylnaphthalene	3610		mg/kg	227	66.7	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B(M)
Analytical Date: 03/29/22 15:55
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1622086-6					
Isopentane	ND		mg/kg	10.0	3.73
1-Pentene	ND		mg/kg	10.0	3.09
2-Methyl-1-Butene	ND		mg/kg	10.0	3.28
Pentane	ND		mg/kg	10.0	3.11
trans-2-Pentene	ND		mg/kg	10.0	3.52
cis-2-Pentene	ND		mg/kg	10.0	2.62
Tertiary Butanol	ND		mg/kg	125	40.5
Cyclopentane	ND		mg/kg	10.0	2.59
2,3-Dimethylbutane	ND		mg/kg	10.0	4.13
2-Methylpentane	ND		mg/kg	10.0	3.22
Methyl tert butyl ether	ND		mg/kg	10.0	3.11
3-Methylpentane	ND		mg/kg	10.0	1.94
1-Hexene	ND		mg/kg	10.0	2.87
n-Hexane	1.98	J	mg/kg	10.0	2.91
Isopropyl Ether	ND		mg/kg	10.0	2.74
Ethyl-Tert-Butyl-Ether	ND		mg/kg	10.0	2.61
2,2-Dimethylpentane	ND		mg/kg	10.0	2.59
Methylcyclopentane	ND		mg/kg	10.0	3.04
2,4-Dimethylpentane	ND		mg/kg	10.0	2.62
1,2-Dichloroethane	ND		mg/kg	10.0	3.03
Cyclohexane	ND		mg/kg	10.0	2.89
2-Methylhexane	ND		mg/kg	10.0	2.33
Benzene	3.14	J	mg/kg	10.0	2.16
2,3-Dimethylpentane	ND		mg/kg	10.0	2.53
Thiophene	ND		mg/kg	10.0	2.60
3-Methylhexane	ND		mg/kg	10.0	2.63
Tertiary-Amyl Methyl Ether	ND		mg/kg	10.0	2.65
1-Heptene/1,2-DMCP (trans)	ND		mg/kg	20.0	6.13
Isooctane	ND		mg/kg	10.0	2.34

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Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B(M)
Analytical Date: 03/29/22 15:55
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1622086-6					
Heptane	ND		mg/kg	10.0	2.74
Methylcyclohexane	ND		mg/kg	10.0	2.13
2,5-Dimethylhexane	ND		mg/kg	10.0	2.39
2,4-Dimethylhexane	ND		mg/kg	10.0	2.36
2,2,3-Trimethylpentane	ND		mg/kg	10.0	2.50
2,3,4-Trimethylpentane	ND		mg/kg	10.0	2.29
2,3,3-Trimethylpentane	ND		mg/kg	10.0	2.19
2,3-Dimethylhexane	ND		mg/kg	10.0	2.42
2-Methylheptane	ND		mg/kg	10.0	2.32
3-Methylheptane	ND		mg/kg	10.0	3.00
3-Ethylhexane	ND		mg/kg	10.0	2.55
Toluene	0.800	J	mg/kg	10.0	1.45
2-Methylthiophene	ND		mg/kg	10.0	1.49
3-Methylthiophene	ND		mg/kg	10.0	1.54
1-Octene	ND		mg/kg	25.0	1.53
Octane	ND		mg/kg	10.0	2.12
1,2-Dibromoethane	ND		mg/kg	10.0	1.60
Ethylbenzene	ND		mg/kg	10.0	1.08
2-Ethylthiophene	ND		mg/kg	10.0	1.09
p/m-Xylene	ND		mg/kg	20.0	2.81
1-Nonene	ND		mg/kg	25.0	1.04
Nonane (C9)	ND		mg/kg	10.0	2.19
Styrene	ND		mg/kg	10.0	1.39
o-Xylene	ND		mg/kg	10.0	1.54
Isopropylbenzene	ND		mg/kg	10.0	1.67
n-Propylbenzene	ND		mg/kg	10.0	1.89
1-Methyl-3-Ethylbenzene	ND		mg/kg	10.0	1.60
1-Methyl-4-Ethylbenzene	ND		mg/kg	10.0	1.82
1,3,5-Trimethylbenzene	ND		mg/kg	10.0	1.90

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B(M)
Analytical Date: 03/29/22 15:55
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1622086-6					
1-Decene	ND		mg/kg	10.0	1.39
1-Methyl-2-Ethylbenzene	ND		mg/kg	10.0	2.04
Decane (C10)	1.42	J	mg/kg	10.0	1.53
1,2,4-Trimethylbenzene	ND		mg/kg	10.0	2.19
sec-Butylbenzene	ND		mg/kg	10.0	2.02
1-Methyl-3-Isopropylbenzene	ND		mg/kg	10.0	1.88
1-Methyl-4-Isopropylbenzene	ND		mg/kg	10.0	2.29
1-Methyl-2-Isopropylbenzene	ND		mg/kg	10.0	2.74
Indane	ND		mg/kg	10.0	2.31
1-Methyl-3-N-Propylbenzene	ND		mg/kg	10.0	2.20
1-Methyl-4-N-Propylbenzene	ND		mg/kg	10.0	2.35
n-Butylbenzene	ND		mg/kg	10.0	2.50
1,2-Dimethyl-4-Ethylbenzene	ND		mg/kg	10.0	2.43
1,2-Diethylbenzene	ND		mg/kg	10.0	2.31
1-Methyl-2-N-Propylbenzene	ND		mg/kg	10.0	2.04
1,4-Dimethyl-2-Ethylbenzene	ND		mg/kg	10.0	2.23
Undecane	ND		mg/kg	10.0	3.53
1,3-Dimethyl-4-Ethylbenzene	ND		mg/kg	10.0	2.14
1,3-Dimethyl-5-Ethylbenzene	ND		mg/kg	10.0	2.43
1,3-Dimethyl-2-Ethylbenzene	ND		mg/kg	10.0	2.37
1,2-Dimethyl-3-Ethylbenzene	ND		mg/kg	10.0	2.18
1,2,4,5-Tetramethylbenzene	ND		mg/kg	10.0	2.26
N-Pentylbenzene	ND		mg/kg	10.0	1.98
Dodecane (C12)	ND		mg/kg	25.0	4.39
Naphthalene	0.465	J	mg/kg	10.0	4.17
Benzothiophene	ND		mg/kg	10.0	5.28
MMT	ND		mg/kg	25.0	6.42
Tridecane	ND		mg/kg	25.0	6.48
2-Methylnaphthalene	0.910	J	mg/kg	25.0	6.60

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B(M)
Analytical Date: 03/29/22 15:55
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1622086-6					
1-Methylnaphthalene	0.345	J	mg/kg	25.0	7.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG1622086-3 WG1622086-4								
1-Pentene	98		95		50-130	3		30
Pentane	78		75		50-130	4		30
Tertiary Butanol	81		88		50-130	8		30
Cyclopentane	86		88		50-130	2		30
2-Methylpentane	92		86		50-130	7		30
Methyl tert butyl ether	87		102		50-130	16		30
3-Methylpentane	96		91		50-130	5		30
1-Hexene	98		94		50-130	4		30
n-Hexane	88		83		50-130	6		30
Isopropyl Ether	89		92		50-130	3		30
Ethyl-Tert-Butyl-Ether	76		85		50-130	11		30
Methylcyclopentane	95		90		50-130	5		30
2,4-Dimethylpentane	98		91		50-130	7		30
Cyclohexane	96		96		50-130	0		30
2-Methylhexane	98		93		50-130	5		30
Benzene	89		97		50-130	9		30
2,3-Dimethylpentane	99		93		50-130	6		30
3-Methylhexane	93		88		50-130	6		30
Tertiary-Amyl Methyl Ether	78		91		50-130	15		30
Isooctane	98		95		50-130	3		30
Heptane	101		98		50-130	3		30
Methylcyclohexane	97		93		50-130	4		30
2-Methylheptane	97		95		50-130	2		30

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Lab Control Sample Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG1622086-3 WG1622086-4								
3-Methylheptane	93		92		50-130	1		30
Toluene	95		94		50-130	1		30
Octane	96		96		50-130	0		30
Ethylbenzene	91		95		50-130	4		30
p/m-Xylene	93		99		50-130	6		30
Nonane (C9)	88		89		50-130	1		30
o-Xylene	93		99		50-130	6		30
Isopropylbenzene	94		100		50-130	6		30
n-Propylbenzene	94		103		50-130	9		30
1-Methyl-3-Ethylbenzene	94		102		50-130	8		30
1-Methyl-4-Ethylbenzene	96		105		50-130	9		30
1,3,5-Trimethylbenzene	97		104		50-130	7		30
1-Decene	78		80		50-130	3		30
1-Methyl-2-Ethylbenzene	96		104		50-130	8		30
Decane (C10)	94		95		50-130	1		30
1,2,4-Trimethylbenzene	93		99		50-130	6		30
sec-Butylbenzene	100		109		50-130	9		30
1-Methyl-4-N-Propylbenzene	95		101		50-130	6		30
n-Butylbenzene	96		101		50-130	5		30
1,2-Diethylbenzene	96		102		50-130	6		30
Undecane	84		91		50-130	8		30
N-Pentylbenzene	97		99		50-130	2		30
Dodecane (C12)	95		109		50-130	14		30

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Lab Control Sample Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG1622086-3 WG1622086-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Dibromofluoromethane	97		113		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	97		101		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1622086-11 QC Sample: L2210341-01 Client ID: MW-28						
Isopentane	1480	1540	mg/kg	4		30
1-Pentene	ND	ND	mg/kg	NC		30
2-Methyl-1-Butene	37.3J	31.0J	mg/kg	NC		30
Pentane	1050	1080	mg/kg	3		30
trans-2-Pentene	17.8J	19.3J	mg/kg	NC		30
cis-2-Pentene	8.32J	7.23J	mg/kg	NC		30
Tertiary Butanol	ND	ND	mg/kg	NC		30
Cyclopentane	509	507	mg/kg	0		30
2,3-Dimethylbutane	1220	1230	mg/kg	1		30
2-Methylpentane	5240	5280	mg/kg	1		30
Methyl tert butyl ether	ND	ND	mg/kg	NC		30
3-Methylpentane	4730	4820	mg/kg	2		30
1-Hexene	ND	ND	mg/kg	NC		30
n-Hexane	2940	2970	mg/kg	1		30
Isopropyl Ether	ND	ND	mg/kg	NC		30
Ethyl-Tert-Butyl-Ether	ND	ND	mg/kg	NC		30
2,2-Dimethylpentane	187	187	mg/kg	0		30
Methylcyclopentane	5300	5400	mg/kg	2		30
2,4-Dimethylpentane	1700	1700	mg/kg	0		30
1,2-Dichloroethane	ND	ND	mg/kg	NC		30
Cyclohexane	5610	5600	mg/kg	0		30

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1622086-11 QC Sample: L2210341-01 Client ID: MW-28						
2-Methylhexane	4150	4050	mg/kg	2		30
Benzene	422	444	mg/kg	5		30
2,3-Dimethylpentane	4520	4520	mg/kg	0		30
Thiophene	ND	ND	mg/kg	NC		30
3-Methylhexane	6860	6630	mg/kg	3		30
Tertiary-Amyl Methyl Ether	ND	ND	mg/kg	NC		30
1-Heptene/1,2-DMCP (trans)	6130	6310	mg/kg	3		30
Isooctane	6250	6060	mg/kg	3		30
Heptane	3420	3320	mg/kg	3		30
Methylcyclohexane	11600E	11100E	mg/kg	4		30
2,5-Dimethylhexane	2130	2080	mg/kg	2		30
2,4-Dimethylhexane	2560	2540	mg/kg	1		30
2,2,3-Trimethylpentane	231	240	mg/kg	4		30
2,3,4-Trimethylpentane	2690	2550	mg/kg	5		30
2,3,3-Trimethylpentane	1690	1600	mg/kg	5		30
2,3-Dimethylhexane	2340	2200	mg/kg	6		30
2-Methylheptane	4030	3890	mg/kg	4		30
3-Methylheptane	3700	3350	mg/kg	10		30
3-Ethylhexane	1110	1280	mg/kg	14		30
Toluene	85.8J	98.9	mg/kg	NC		30
2-Methylthiophene	ND	ND	mg/kg	NC		30

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1622086-11 QC Sample: L2210341-01 Client ID: MW-28						
3-Methylthiophene	ND	ND	mg/kg	NC		30
1-Octene	ND	ND	mg/kg	NC		30
Octane	2900	2840	mg/kg	2		30
1,2-Dibromoethane	ND	ND	mg/kg	NC		30
Ethylbenzene	1570	1560	mg/kg	1		30
2-Ethylthiophene	ND	ND	mg/kg	NC		30
p/m-Xylene	2840	2810	mg/kg	1		30
1-Nonene	ND	ND	mg/kg	NC		30
Nonane (C9)	2630	2440	mg/kg	7		30
Styrene	ND	ND	mg/kg	NC		30
o-Xylene	52.9J	51.3J	mg/kg	NC		30
Isopropylbenzene	1500	1470	mg/kg	2		30
n-Propylbenzene	3300	3140	mg/kg	5		30
1-Methyl-3-Ethylbenzene	1060	1020	mg/kg	4		30
1-Methyl-4-Ethylbenzene	2570	2460	mg/kg	4		30
1,3,5-Trimethylbenzene	1240	1180	mg/kg	5		30
1-Decene	ND	ND	mg/kg	NC		30
1-Methyl-2-Ethylbenzene	1780	1710	mg/kg	4		30
Decane (C10)	2930	2850	mg/kg	3		30
1,2,4-Trimethylbenzene	7860	7450	mg/kg	5		30
sec-Butylbenzene	1020	962	mg/kg	6		30

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Received by OCD: 6/14/2023 2:10:34 PM

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1622086-11 QC Sample: L2210341-01 Client ID: MW-28						
1-Methyl-3-Isopropylbenzene	588	554	mg/kg	6		30
1-Methyl-4-Isopropylbenzene	596	566	mg/kg	5		30
1-Methyl-2-Isopropylbenzene	180	172	mg/kg	5		30
Indane	748	724	mg/kg	3		30
1-Methyl-3-N-Propylbenzene	1220	1140	mg/kg	7		30
1-Methyl-4-N-Propylbenzene	1560	1460	mg/kg	7		30
n-Butylbenzene	1280	1190	mg/kg	7		30
1,2-Dimethyl-4-Ethylbenzene	1170	1110	mg/kg	5		30
1,2-Diethylbenzene	431	403	mg/kg	7		30
1-Methyl-2-N-Propylbenzene	926	881	mg/kg	5		30
1,4-Dimethyl-2-Ethylbenzene	1900	1780	mg/kg	7		30
Undecane	3390	3120	mg/kg	8		30
1,3-Dimethyl-4-Ethylbenzene	1560	1480	mg/kg	5		30
1,3-Dimethyl-5-Ethylbenzene	3430	3250	mg/kg	5		30
1,3-Dimethyl-2-Ethylbenzene	498	377	mg/kg	28		30
1,2-Dimethyl-3-Ethylbenzene	379	363	mg/kg	4		30
1,2,4,5-Tetramethylbenzene	1640	1570	mg/kg	4		30
N-Pentylbenzene	655	606	mg/kg	8		30
Dodecane (C12)	2150	1900	mg/kg	12		30
Naphthalene	1200	1200	mg/kg	0		30
Benzothiophene	230	234	mg/kg	2		30

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1622086-11 QC Sample: L2210341-01 Client ID: MW-28						
MMT	ND	ND	mg/kg	NC		30
Tridecane	514	506	mg/kg	2		30
2-Methylnaphthalene	1310	1270	mg/kg	3		30
1-Methylnaphthalene	3610	3500	mg/kg	3		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	89		93		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		101		70-130

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab	Associated sample(s): 01	QC Batch ID: WG1622086-11		QC Sample: L2210341-01		Client ID: MW-28
Methylcyclohexane	8380	8210	mg/kg	2		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	93		110		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		99		70-130

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SEMIVOLATILES

Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01
Client ID: MW-28
Sample Location: Not Specified

Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8270D-SIM(M)
Analytical Date: 03/17/22 11:48
Analyst: MJS
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
Extraction Date: 03/16/22 16:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organic Lead Analysis by GC/MS-SIM - Mansfield Lab						
Tetraethyl Lead	92.1		mg/kg	0.951	0.292	1
Tetramethyl Lead	ND		mg/kg	0.951	0.292	1
Trimethyl Ethyl Lead	ND		mg/kg	0.951	0.292	1
Diethyl Dimethyl Lead	ND		mg/kg	0.951	0.292	1
Methyl Triethyl Lead	0.499	J	mg/kg	0.951	0.292	1

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01
Client ID: MW-28
Sample Location: Not Specified

Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8270D-SIM(M)
Analytical Date: 03/29/22 17:36
Analyst: CC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
Extraction Date: 03/29/22 10:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Alkylated PAHs by GC/MS - Mansfield Lab						
cis/trans-Decalin	1640		mg/kg	0.942	0.710	1
C1-Decalins	2880		mg/kg	1.88	0.710	1
C2-Decalins	2380		mg/kg	1.88	0.710	1
C3-Decalins	1200		mg/kg	1.88	0.710	1
C4-Decalins	995		mg/kg	1.88	0.710	1
Naphthalene	1200		mg/kg	1.88	0.813	1
C1-Naphthalenes	2910		mg/kg	1.88	0.813	1
C2-Naphthalenes	4580		mg/kg	1.88	0.813	1
C3-Naphthalenes	2960		mg/kg	1.88	0.813	1
C4-Naphthalenes	1210		mg/kg	1.88	0.813	1
2-Methylnaphthalene	1230		mg/kg	1.88	0.729	1
1-Methylnaphthalene	3500		mg/kg	1.88	0.891	1
Benzothiophene	248		mg/kg	1.88	0.886	1
C1-Benzo(b)thiophenes	602		mg/kg	1.88	0.886	1
C2-Benzo(b)thiophenes	635		mg/kg	1.88	0.886	1
C3-Benzo(b)thiophenes	530		mg/kg	1.88	0.886	1
C4-Benzo(b)thiophenes	268		mg/kg	1.88	0.886	1
Biphenyl	305		mg/kg	1.88	0.874	1
2,6-Dimethylnaphthalene	2180		mg/kg	1.88	0.672	1
Dibenzofuran	206		mg/kg	1.88	0.890	1
Acenaphthylene	11.1		mg/kg	1.88	0.539	1
Acenaphthene	79.4		mg/kg	1.88	0.498	1
2,3,5-Trimethylnaphthalene	297		mg/kg	1.88	0.462	1
Fluorene	129		mg/kg	1.88	0.754	1
C1-Fluorenes	227		mg/kg	1.88	0.754	1
C2-Fluorenes	303		mg/kg	1.88	0.754	1
C3-Fluorenes	194		mg/kg	1.88	0.754	1
Dibenzothiophene	233		mg/kg	1.88	0.780	1

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Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01
Client ID: MW-28
Sample Location: Not Specified
Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Alkylated PAHs by GC/MS - Mansfield Lab						
4-Methyldibenzothiophene(4MDT)	163		mg/kg	1.88	0.780	1
2/3-Methyldibenzothiophene(2MDT)	188		mg/kg	1.88	0.780	1
1-Methyldibenzothiophene(1MDT)	43.1		mg/kg	1.88	0.780	1
C1-Dibenzothiophenes	410		mg/kg	1.88	0.780	1
C2-Dibenzothiophenes	410		mg/kg	1.88	0.780	1
C3-Dibenzothiophenes	268		mg/kg	1.88	0.780	1
C4-Dibenzothiophenes	117		mg/kg	1.88	0.780	1
Phenanthrene	204		mg/kg	1.88	0.937	1
3-Methylphenanthrene (3MP)	99.1		mg/kg	1.88	0.937	1
2-Methylphenanthrene (2MP)	92.1		mg/kg	1.88	0.937	1
2-Methylanthracene (2MA)	11.8		mg/kg	1.88	0.937	1
9/4-Methylphenanthrene (9MP)	76.6		mg/kg	1.88	0.937	1
1-Methylphenanthrene (1MP)	46.7		mg/kg	1.88	0.937	1
C1-Phenanthrenes/Anthracenes	333		mg/kg	1.88	0.937	1
C2-Phenanthrenes/Anthracen	279		mg/kg	1.88	0.937	1
C3-Phenanthrenes/Anthracenes	140		mg/kg	1.88	0.937	1
C4-Phenanthrenes/Anthracenes	56.3		mg/kg	1.88	0.937	1
Retene	ND		mg/kg	1.88	0.694	1
Anthracene	12.8		mg/kg	1.88	0.583	1
Carbazole	2.45	B	mg/kg	1.88	0.925	1
Fluoranthene	3.82		mg/kg	1.88	0.898	1
Benzo(b)fluorene	1.63	J	mg/kg	1.88	0.819	1
Pyrene	13.8		mg/kg	1.88	0.744	1
C1-Fluoranthenes/Pyrenes	28.2		mg/kg	1.88	0.744	1
C2-Fluoranthenes/Pyrenes	31.3		mg/kg	1.88	0.744	1
C3-Fluoranthenes/Pyrenes	29.8		mg/kg	1.88	0.744	1
C4-Fluoranthenes/Pyrenes	23.3		mg/kg	1.88	0.744	1
Naphthobenzothiophenes	10.4		mg/kg	1.88	0.791	1
C1-Naphthobenzothiophenes	25.9		mg/kg	1.88	0.791	1
C2-Naphthobenzothiophenes	38.4		mg/kg	1.88	0.791	1
C3-Naphthobenzothiophenes	35.1		mg/kg	1.88	0.791	1
C4-Naphthobenzothiophenes	25.6		mg/kg	1.88	0.791	1
Benz(a)anthracene	1.39	J	mg/kg	1.88	0.576	1
Chrysene/Triphenylene	5.56		mg/kg	1.88	0.572	1
C1-Chrysenes	11.6		mg/kg	1.88	0.572	1
C2-Chrysenes	15.9		mg/kg	1.88	0.572	1
C3-Chrysenes	20.2		mg/kg	1.88	0.383	1

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01
Client ID: MW-28
Sample Location: Not Specified
Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Alkylated PAHs by GC/MS - Mansfield Lab						
C4-Chrysenes	16.6		mg/kg	1.88	0.572	1
Benzo(b)fluoranthene	0.708	JB	mg/kg	1.88	0.735	1
Benzo(j)+(k)fluoranthene	0.305	J	mg/kg	1.88	0.561	1
Benzo(a)fluoranthene	ND		mg/kg	1.88	0.561	1
Benzo(e)pyrene	1.53	J	mg/kg	1.88	0.583	1
Benzo(a)pyrene	0.671	J	mg/kg	1.88	0.807	1
Perylene	0.296	J	mg/kg	1.88	0.546	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	1.88	0.767	1
Dibenz(a,h)+(a,c)anthracene	ND		mg/kg	1.88	0.764	1
Benzo(g,h,i)perylene	0.497	JB	mg/kg	1.88	0.751	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Naphthalene-d8	96		50-130
Phenanthrene-d10	96		50-130
Benzo(a)pyrene-d12	100		50-130

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM(M)
Analytical Date: 03/17/22 09:32
Analyst: MJS

Extraction Method: EPA 3580A
Extraction Date: 03/16/22 16:43

Parameter	Result	Qualifier	Units	RL	MDL
Organic Lead Analysis by GC/MS-SIM - Mansfield Lab for sample(s): 01 Batch: WG1616451-1					
Tetraethyl Lead	ND		mg/kg	0.951	0.292
Tetramethyl Lead	ND		mg/kg	0.951	0.292
Trimethyl Ethyl Lead	ND		mg/kg	0.951	0.292
Diethyl Dimethyl Lead	ND		mg/kg	0.951	0.292
Methyl Triethyl Lead	ND		mg/kg	0.951	0.292

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM(M)
Analytical Date: 03/29/22 13:20
Analyst: CC

Extraction Method: EPA 3580A
Extraction Date: 03/29/22 10:40

Parameter	Result	Qualifier	Units	RL	MDL
Alkylated PAHs by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1620979-1					
cis/trans-Decalin	ND		mg/kg	0.942	0.710
C1-Decalins	ND		mg/kg	1.88	0.710
C2-Decalins	ND		mg/kg	1.88	0.710
C3-Decalins	ND		mg/kg	1.88	0.710
C4-Decalins	ND		mg/kg	1.88	0.710
Naphthalene	0.101	J	mg/kg	1.88	0.813
C1-Naphthalenes	0.166	J	mg/kg	1.88	0.813
C2-Naphthalenes	ND		mg/kg	1.88	0.813
C3-Naphthalenes	ND		mg/kg	1.88	0.813
C4-Naphthalenes	ND		mg/kg	1.88	0.813
2-Methylnaphthalene	0.088	J	mg/kg	1.88	0.729
1-Methylnaphthalene	ND		mg/kg	1.88	0.891
Benzothiophene	ND		mg/kg	1.88	0.886
C1-Benzo(b)thiophenes	ND		mg/kg	1.88	0.886
C2-Benzo(b)thiophenes	ND		mg/kg	1.88	0.886
C3-Benzo(b)thiophenes	ND		mg/kg	1.88	0.886
C4-Benzo(b)thiophenes	ND		mg/kg	1.88	0.886
Biphenyl	0.134	J	mg/kg	1.88	0.874
2,6-Dimethylnaphthalene	ND		mg/kg	1.88	0.672
Dibenzofuran	0.065	J	mg/kg	1.88	0.890
Acenaphthylene	0.088	J	mg/kg	1.88	0.539
Acenaphthene	ND		mg/kg	1.88	0.498
2,3,5-Trimethylnaphthalene	ND		mg/kg	1.88	0.462
Fluorene	0.114	J	mg/kg	1.88	0.754
C1-Fluorenes	0.596	J	mg/kg	1.88	0.754
C2-Fluorenes	1.22	J	mg/kg	1.88	0.754
C3-Fluorenes	ND		mg/kg	1.88	0.754
Dibenzothiophene	0.086	J	mg/kg	1.88	0.780
4-Methyldibenzothiophene(4MDT)	ND		mg/kg	1.88	0.780

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM(M)
Analytical Date: 03/29/22 13:20
Analyst: CC

Extraction Method: EPA 3580A
Extraction Date: 03/29/22 10:40

Parameter	Result	Qualifier	Units	RL	MDL
Alkylated PAHs by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1620979-1					
2/3-Methyldibenzothiophene(2MDT)	ND		mg/kg	1.88	0.780
1-Methyldibenzothiophene(1MDT)	ND		mg/kg	1.88	0.780
C1-Dibenzothiophenes	ND		mg/kg	1.88	0.780
C2-Dibenzothiophenes	ND		mg/kg	1.88	0.780
C3-Dibenzothiophenes	ND		mg/kg	1.88	0.780
C4-Dibenzothiophenes	ND		mg/kg	1.88	0.780
Phenanthrene	0.292	J	mg/kg	1.88	0.937
3-Methylphenanthrene (3MP)	0.175	J	mg/kg	1.88	0.937
2-Methylphenanthrene (2MP)	ND		mg/kg	1.88	0.937
2-Methylanthracene (2MA)	ND		mg/kg	1.88	0.937
9/4-Methylphenanthrene (9MP)	0.314	J	mg/kg	1.88	0.937
1-Methylphenanthrene (1MP)	ND		mg/kg	1.88	0.937
C1-Phenanthrenes/Anthracenes	1.40	J	mg/kg	1.88	0.937
C2-Phenanthrenes/Anthracen	ND		mg/kg	1.88	0.937
C3-Phenanthrenes/Anthracenes	ND		mg/kg	1.88	0.937
C4-Phenanthrenes/Anthracenes	ND		mg/kg	1.88	0.937
Retene	ND		mg/kg	1.88	0.694
Anthracene	0.095	J	mg/kg	1.88	0.583
Carbazole	0.344	J	mg/kg	1.88	0.925
Fluoranthene	0.142	J	mg/kg	1.88	0.898
Benzo(b)fluorene	0.139	J	mg/kg	1.88	0.819
Pyrene	0.206	J	mg/kg	1.88	0.744
C1-Fluoranthenes/Pyrenes	ND		mg/kg	1.88	0.744
C2-Fluoranthenes/Pyrenes	ND		mg/kg	1.88	0.744
C3-Fluoranthenes/Pyrenes	ND		mg/kg	1.88	0.744
C4-Fluoranthenes/Pyrenes	ND		mg/kg	1.88	0.744
Naphthobenzothiophenes	ND		mg/kg	1.88	0.791
C1-Naphthobenzothiophenes	ND		mg/kg	1.88	0.791
C2-Naphthobenzothiophenes	ND		mg/kg	1.88	0.791

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM(M)
Analytical Date: 03/29/22 13:20
Analyst: CC

Extraction Method: EPA 3580A
Extraction Date: 03/29/22 10:40

Parameter	Result	Qualifier	Units	RL	MDL
Alkylated PAHs by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG1620979-1					
C3-Naphthobenzothiophenes	ND		mg/kg	1.88	0.791
C4-Naphthobenzothiophenes	ND		mg/kg	1.88	0.791
Benz(a)anthracene	0.088	J	mg/kg	1.88	0.576
Chrysene/Triphenylene	0.096	J	mg/kg	1.88	0.572
C1-Chrysenes	ND		mg/kg	1.88	0.572
C2-Chrysenes	ND		mg/kg	1.88	0.572
C3-Chrysenes	ND		mg/kg	1.88	0.383
C4-Chrysenes	ND		mg/kg	1.88	0.572
Benzo(b)fluoranthene	0.135	J	mg/kg	1.88	0.735
Benzo(j)+(k)fluoranthene	ND		mg/kg	1.88	0.561
Benzo(a)fluoranthene	ND		mg/kg	1.88	0.561
Benzo(e)pyrene	0.082	J	mg/kg	1.88	0.583
Benzo(a)pyrene	ND		mg/kg	1.88	0.807
Perylene	ND		mg/kg	1.88	0.546
Indeno(1,2,3-cd)pyrene	ND		mg/kg	1.88	0.767
Dibenz(a,h)+(a,c)anthracene	ND		mg/kg	1.88	0.764
Benzo(g,h,i)perylene	0.072	J	mg/kg	1.88	0.751

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Naphthalene-d8	101		50-130
Phenanthrene-d10	103		50-130
Benzo(a)pyrene-d12	96		50-130

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organic Lead Analysis by GC/MS-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1616451-2 WG1616451-3								
Tetraethyl Lead	114		118		50-130	3		30

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Alkylated PAHs by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG1620979-2 WG1620979-3								
Naphthalene	102		101		50-130	1		30
2-Methylnaphthalene	95		95		50-130	0		30
Acenaphthylene	84		84		50-130	0		30
Acenaphthene	94		95		50-130	1		30
Fluorene	98		98		50-130	0		30
Phenanthrene	98		98		50-130	0		30
Anthracene	98		99		50-130	1		30
Fluoranthene	101		101		50-130	0		30
Pyrene	100		100		50-130	0		30
Benz(a)anthracene	88		88		50-130	0		30
Chrysene/Triphenylene	95		96		50-130	1		30
Benzo(b)fluoranthene	90		90		50-130	0		30
Benzo(j)+(k)fluoranthene	98		98		50-130	0		30
Benzo(a)pyrene	82		82		50-130	0		30
Indeno(1,2,3-cd)pyrene	71		70		50-130	1		30
Dibenz(a,h)+(a,c)anthracene	77		76		50-130	1		30
Benzo(g,h,i)perylene	84		83		50-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Alkylated PAHs by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG1620979-2 WG1620979-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Naphthalene-d8	102		101		50-130
Phenanthrene-d10	107		106		50-130
Benzo(a)pyrene-d12	91		89		50-130

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Organic Lead Analysis by GC/MS-SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1616451-4 QC Sample: L2210341-01 Client ID: MW-28						
Tetraethyl Lead	92.1	72.8	mg/kg	23		30
Tetramethyl Lead	ND	ND	mg/kg	NC		30
Trimethyl Ethyl Lead	ND	ND	mg/kg	NC		30
Diethyl Dimethyl Lead	ND	ND	mg/kg	NC		30
Methyl Triethyl Lead	0.499J	0.392J	mg/kg	NC		30

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Alkylated PAHs by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1620979-4 QC Sample: L2210341-01 Client ID: MW-28						
cis/trans-Decalin	1640	1660	mg/kg	1		30
C1-Decalins	2880	2910	mg/kg	1		30
C2-Decalins	2380	2420	mg/kg	2		30
C3-Decalins	1200	1250	mg/kg	4		30
C4-Decalins	995	1040	mg/kg	4		30
Naphthalene	1200	1210	mg/kg	1		30
C1-Naphthalenes	2910	2940	mg/kg	1		30
C2-Naphthalenes	4580	4670	mg/kg	2		30
C3-Naphthalenes	2960	3050	mg/kg	3		30
C4-Naphthalenes	1210	1250	mg/kg	3		30
2-Methylnaphthalene	1230	1260	mg/kg	2		30
1-Methylnaphthalene	3500	3530	mg/kg	1		30
Benzothiophene	248	252	mg/kg	2		30
C1-Benzo(b)thiophenes	602	620	mg/kg	3		30
C2-Benzo(b)thiophenes	635	647	mg/kg	2		30
C3-Benzo(b)thiophenes	530	548	mg/kg	3		30
C4-Benzo(b)thiophenes	268	275	mg/kg	3		30
Biphenyl	305	313	mg/kg	3		30
2,6-Dimethylnaphthalene	2180	2210	mg/kg	1		30
Dibenzofuran	206	212	mg/kg	3		30
Acenaphthylene	11.1	11.3	mg/kg	2		30

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Alkylated PAHs by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1620979-4 QC Sample: L2210341-01 Client ID: MW-28						
Acenaphthene	79.4	83.2	mg/kg	5		30
2,3,5-Trimethylnaphthalene	297	329	mg/kg	10		30
Fluorene	129	134	mg/kg	4		30
C1-Fluorenes	227	227	mg/kg	0		30
C2-Fluorenes	303	312	mg/kg	3		30
C3-Fluorenes	194	200	mg/kg	3		30
Dibenzothiophene	233	241	mg/kg	3		30
4-Methyldibenzothiophene(4MDT)	163	169	mg/kg	4		30
2/3-Methyldibenzothiophene(2MDT)	188	195	mg/kg	4		30
1-Methyldibenzothiophene(1MDT)	43.1	44.6	mg/kg	3		30
C1-Dibenzothiophenes	410	421	mg/kg	3		30
C2-Dibenzothiophenes	410	422	mg/kg	3		30
C3-Dibenzothiophenes	268	276	mg/kg	3		30
C4-Dibenzothiophenes	117	116	mg/kg	1		30
Phenanthrene	204	210	mg/kg	3		30
3-Methylphenanthrene (3MP)	99.1	102	mg/kg	3		30
2-Methylphenanthrene (2MP)	92.1	95.2	mg/kg	3		30
2-Methylanthracene (2MA)	11.8	11.6	mg/kg	2		30
9/4-Methylphenanthrene (9MP)	76.6	78.8	mg/kg	3		30
1-Methylphenanthrene (1MP)	46.7	47.6	mg/kg	2		30
C1-Phenanthrenes/Anthracenes	333	343	mg/kg	3		30

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Alkylated PAHs by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1620979-4 QC Sample: L2210341-01 Client ID: MW-28						
C2-Phenanthrenes/Anthracen	279	286	mg/kg	2		30
C3-Phenanthrenes/Anthracenes	140	143	mg/kg	2		30
C4-Phenanthrenes/Anthracenes	56.3	59.1	mg/kg	5		30
Retene	ND	ND	mg/kg	NC		30
Anthracene	12.8	13.5	mg/kg	5		30
Carbazole	2.45B	2.44B	mg/kg	0		30
Fluoranthene	3.82	3.76	mg/kg	2		30
Benzo(b)fluorene	1.63J	2.10	mg/kg	NC		30
Pyrene	13.8	14.1	mg/kg	2		30
C1-Fluoranthenes/Pyrenes	28.2	29.0	mg/kg	3		30
C2-Fluoranthenes/Pyrenes	31.3	31.3	mg/kg	0		30
C3-Fluoranthenes/Pyrenes	29.8	30.6	mg/kg	3		30
C4-Fluoranthenes/Pyrenes	23.3	23.5	mg/kg	1		30
Naphthobenzothiophenes	10.4	10.6	mg/kg	2		30
C1-Naphthobenzothiophenes	25.9	26.7	mg/kg	3		30
C2-Naphthobenzothiophenes	38.4	39.3	mg/kg	2		30
C3-Naphthobenzothiophenes	35.1	37.0	mg/kg	5		30
C4-Naphthobenzothiophenes	25.6	25.4	mg/kg	1		30
Benz(a)anthracene	1.39J	1.44J	mg/kg	NC		30
Chrysene/Triphenylene	5.56	5.70	mg/kg	2		30
C1-Chrysenes	11.6	11.5	mg/kg	1		30

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Alkylated PAHs by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1620979-4 QC Sample: L2210341-01 Client ID: MW-28						
C2-Chrysenes	15.9	16.1	mg/kg	1		30
C3-Chrysenes	20.2	20.1	mg/kg	0		30
C4-Chrysenes	16.6	18.6	mg/kg	11		30
Benzo(b)fluoranthene	0.708JB	0.717JB	mg/kg	NC		30
Benzo(j)+(k)fluoranthene	0.305J	0.272J	mg/kg	NC		30
Benzo(a)fluoranthene	ND	ND	mg/kg	NC		30
Benzo(e)pyrene	1.53J	1.52J	mg/kg	NC		30
Benzo(a)pyrene	0.671J	0.841J	mg/kg	NC		30
Perylene	0.296J	0.302J	mg/kg	NC		30
Indeno(1,2,3-cd)pyrene	ND	ND	mg/kg	NC		30
Dibenz(a,h)+(a,c)anthracene	ND	ND	mg/kg	NC		30
Benzo(g,h,i)perylene	0.497JB	0.439JB	mg/kg	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Naphthalene-d8	96		97		50-130
Phenanthrene-d10	96		98		50-130
Benzo(a)pyrene-d12	100		101		50-130

PETROLEUM HYDROCARBONS

Project Name: HFNR ARTESIA 22GW
Lab Number: L2210341
Project Number: 476077
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01
Client ID: MW-28
Sample Location: Not Specified

Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8015D(M)
Analytical Date: 03/10/22 00:00
Analyst: CC
Percent Solids:

Extraction Method: NA

Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Whole Oil Analysis - Mansfield Lab						
Refer To Case Narrative/Chromatograms			-	-	1.00	1

Released to Imaging: 10/3/2023 9:42:06 AM

INORGANICS
&
MISCELLANEOUS

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

SAMPLE RESULTS

Lab ID: L2210341-01
Client ID: MW-28
Sample Location: Not Specified
Sample Depth:
Matrix: Oil

Date Collected: 02/10/22 13:10
Date Received: 03/01/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Density	0.830		g/ml	0.001	NA	1	-	03/16/22 00:00	121,2520C	CS

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab for sample(s): 01 Batch: WG1616471-1										
Density	1.00		g/ml	0.001	NA	1	-	03/16/22 00:00	121,2520C	CS

Released to Imaging: 10/3/2023 9:42:06 AM

Lab Duplicate Analysis

Batch Quality Control

Project Name: HFNR ARTESIA 22GW

Project Number: 476077

Lab Number: L2210341

Report Date: 04/04/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1616471-2 QC Sample: L2210341-01 Client ID: MW-28						
Density	0.830	0.829	g/ml	0		10

Released to Imaging: 10/3/2023 9:42:06 AM

Received by OCD: 6/14/2023 2:10:34 PM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077

Lab Number: L2210341
Report Date: 04/04/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2210341-01A	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365),A2-DENSITY-2520C(365),A2-NFORGLEAD(365),A2-NFALKPAH(365),A2-NFPIANO8260(365)
L2210341-01B	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365),A2-DENSITY-2520C(365),A2-NFORGLEAD(365),A2-NFALKPAH(365),A2-NFPIANO8260(365)
L2210341-01C	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365),A2-DENSITY-2520C(365),A2-NFORGLEAD(365),A2-NFALKPAH(365),A2-NFPIANO8260(365)
L2210341-01D	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365),A2-DENSITY-2520C(365),A2-NFORGLEAD(365),A2-NFALKPAH(365),A2-NFPIANO8260(365)
L2210341-01E	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365),A2-DENSITY-2520C(365),A2-NFORGLEAD(365),A2-NFALKPAH(365),A2-NFPIANO8260(365)
L2210341-01F	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365),A2-DENSITY-2520C(365),A2-NFORGLEAD(365),A2-NFALKPAH(365),A2-NFPIANO8260(365)

*Values in parentheses indicate holding time in days
Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Project Name:	HFNR ARTESIA 22GW	**Lab Number:**	L2210341
Project Number:	476077	**Report Date:**	04/04/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

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Project Name:	HFNR ARTESIA 22GW	**Lab Number:**	L2210341
Project Number:	476077	**Report Date:**	04/04/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Released to Imaging: 10/3/2023 9:42:06 AM

Project Name: HFNR ARTESIA 22GW
Project Number: 476077
Lab Number: L2210341
Report Date: 04/04/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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Chain of Custody

L2210341

Environmental Forensics Practice LLC

Proj. No	Proj. Name
476077	HFNR Access Agreement

SAMPLERS: Signature

DATE	TIME	LAB ID	CLIENT ID	SAMPLE DESCRIPTION	MATRIX (* see below)	GC-FID-TPH (C_8+)	GCMS-Alkyl PAH	GCMS-Biomarkers	PIANO - VOA	Organic Lead	METALS	PCB	Pesticides	PRESERVED	Total Number of Containers
2-10-22	1:40pm		MW-28	NAPL for Fingerprinting	OIL	X	X	X	X	X				NO	6

ANALYSIS REQUESTED → "NUMBER OF CONTAINERS"

Relinquished by:	Date/Time	Received by:	Date/Time
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UPS	3/1/22 13:05 pm	[signature]	3/1/22 13:05 pm

* O=Oil
SO=Soil
SE=Sediment
T=Tissue
W=Water

Samples to be shipped to: Alpha Laboratory
320 Forbes Blvd.
Mansfield, MA 02048
Tel: (508) 822-4117
Attn: Sue O'Neil

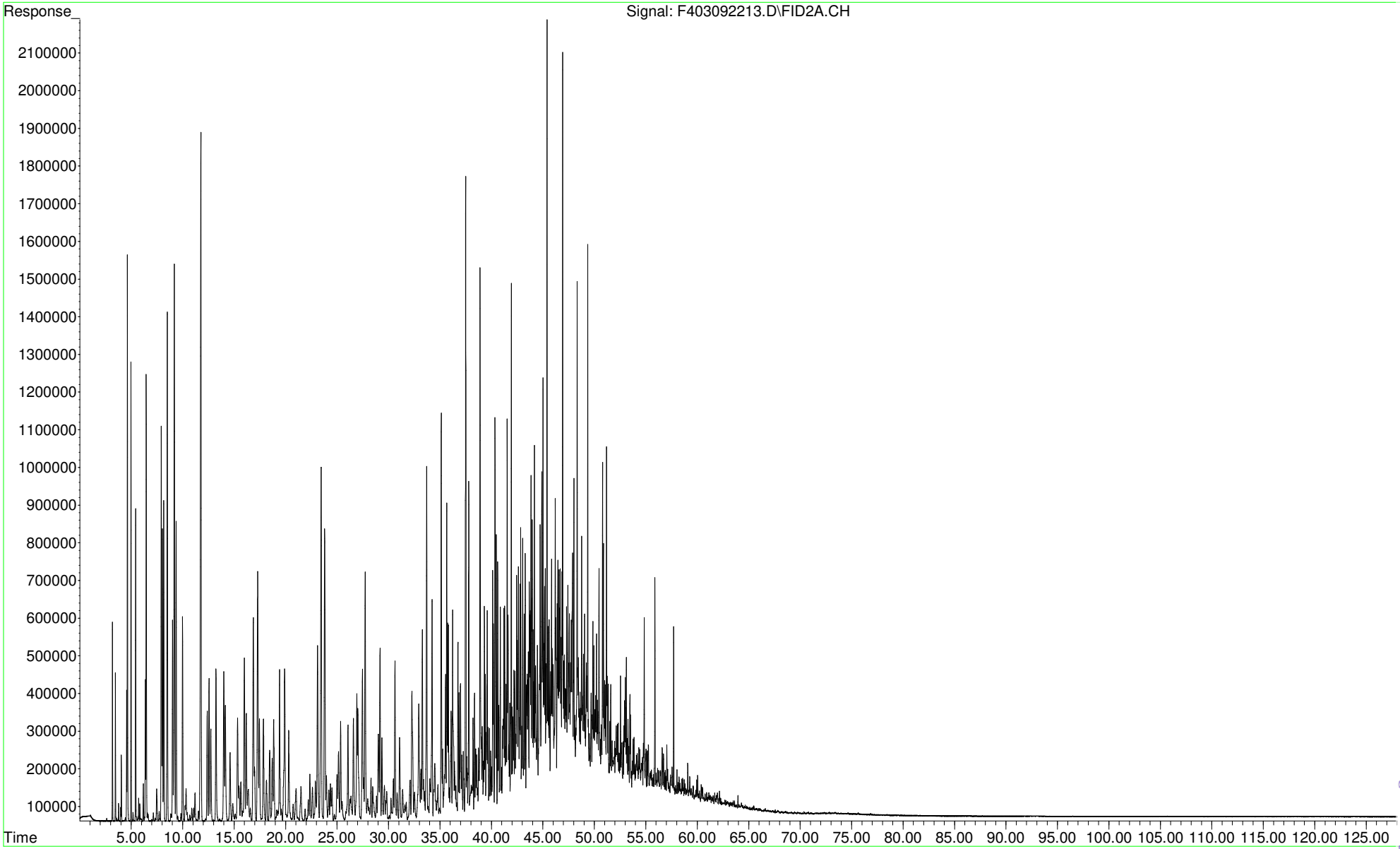
Comments:
CONTACT TED Healey for Analytical


BROWN DRUG
575-746-3591
LEWIS DADE
322 W WASHINGTON ST
ARTESIA NM 88210.
3 LBS
1 OF 1
DWT: 10,10,12
SHIP TO: ATTN: SUE O'NEIL
ALPHA LAB
320 FORBES BLVD
MANSFIELD MA 02048
MA 024 9-02
UPS GROUND
TRACKING #1Z 872 986 03 0095 3144
BILLING: P/P
PE 22 0 Canon LBP6030/6040/6018L 08.5v 02/2022
FOR UPS SHIPPING ONLY

Whole Oil by GC-FID Chromatograms

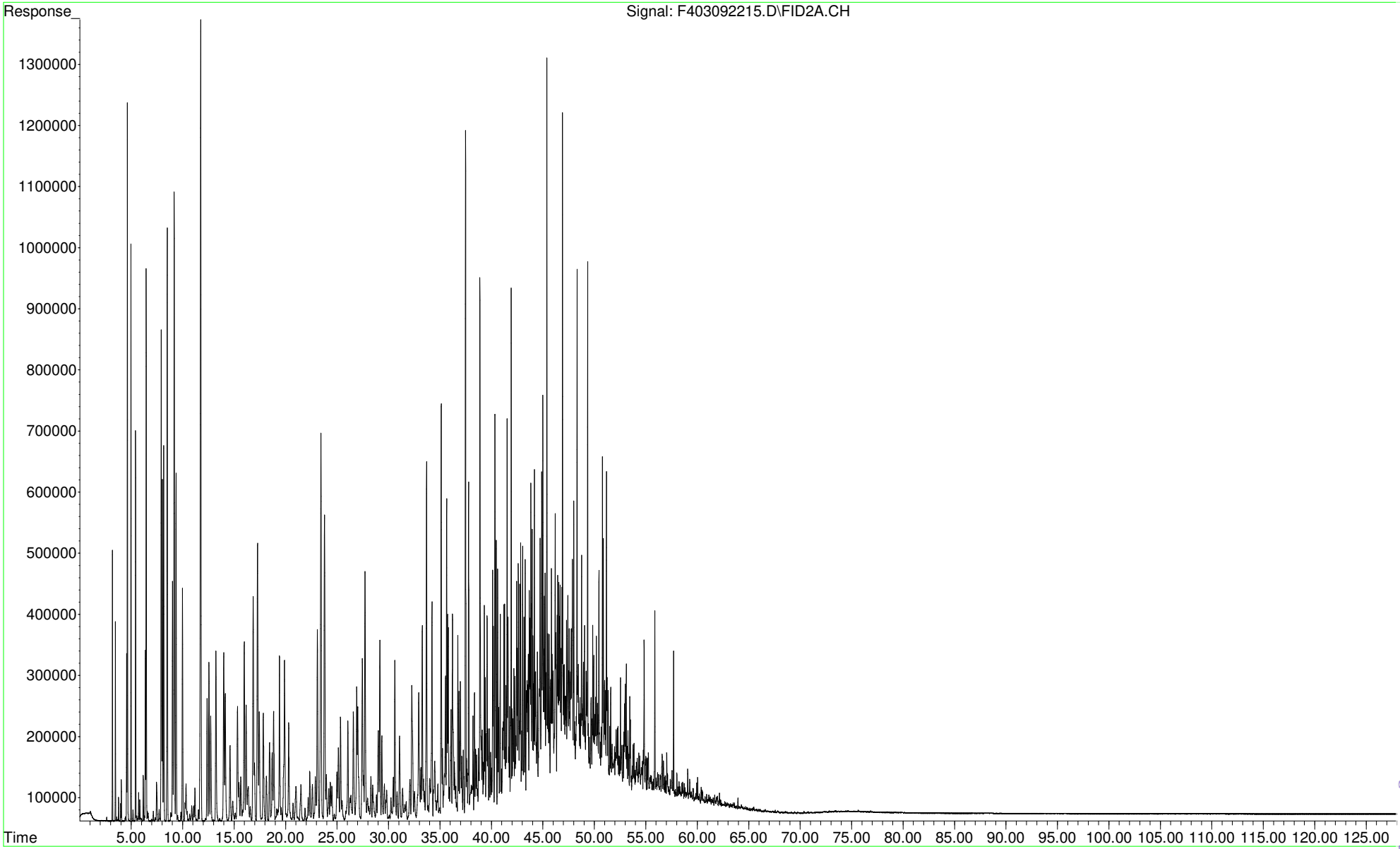
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Instrument : PAH 4
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Vial Number: 57



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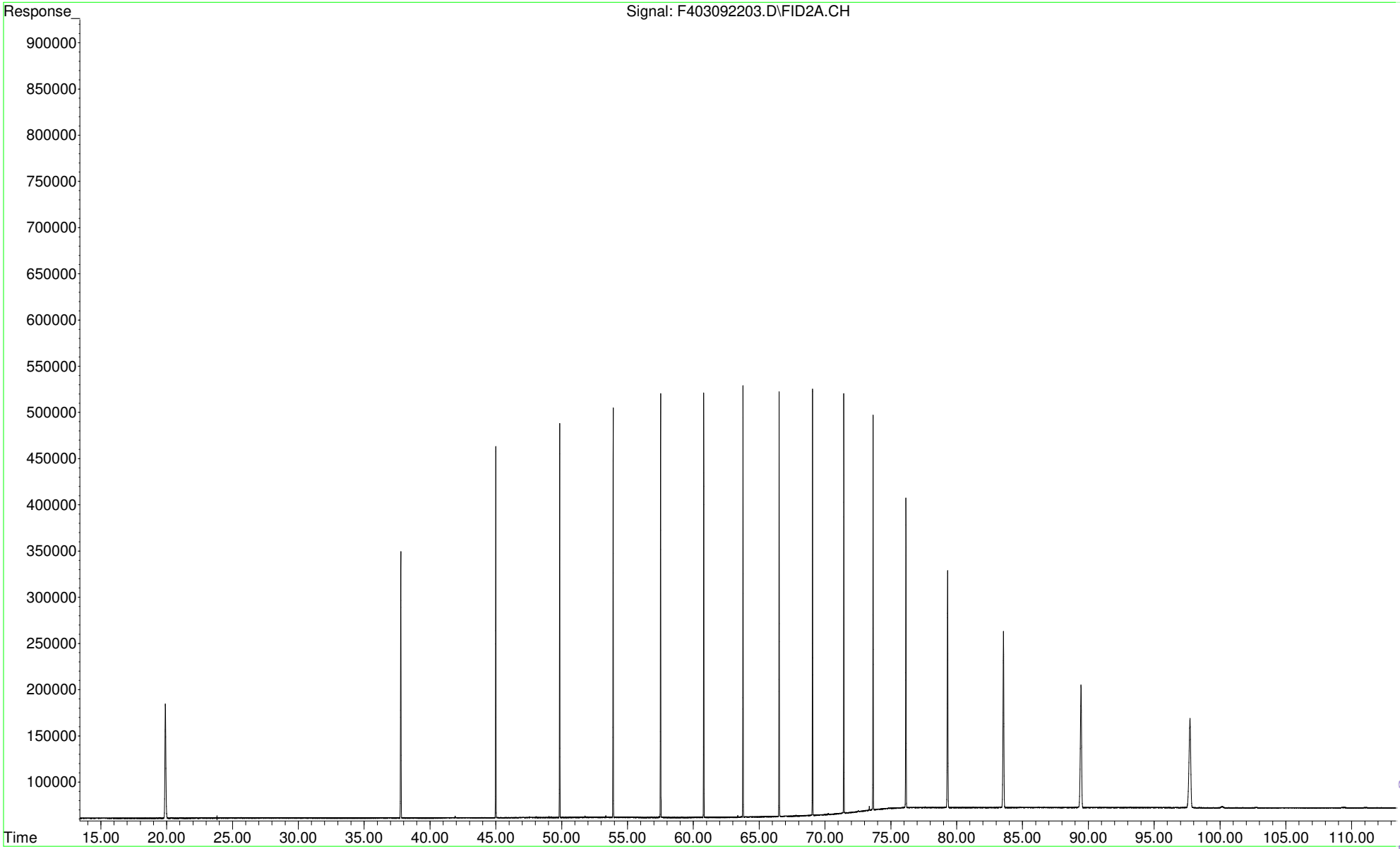
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Whole Oil Reference Oils

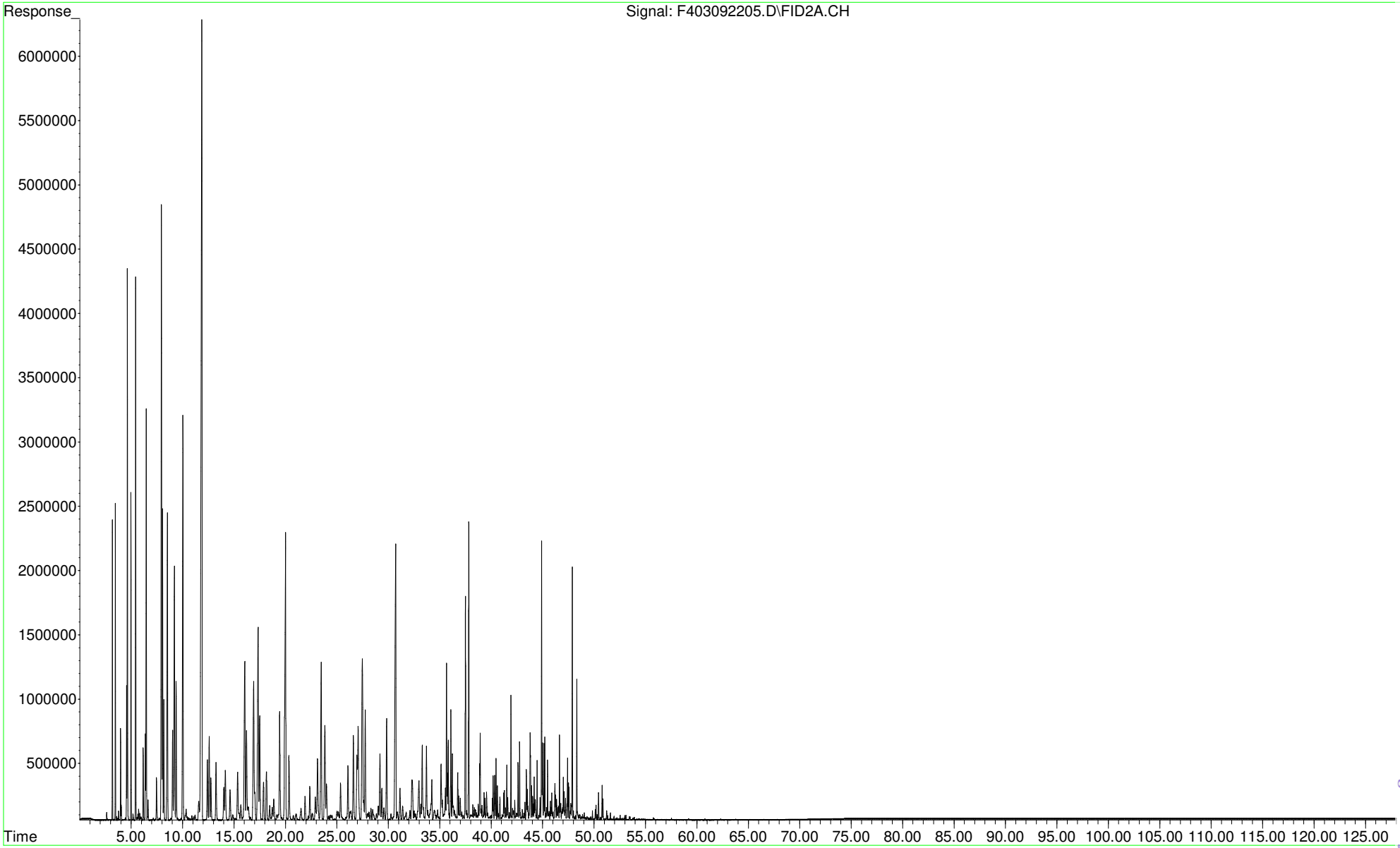
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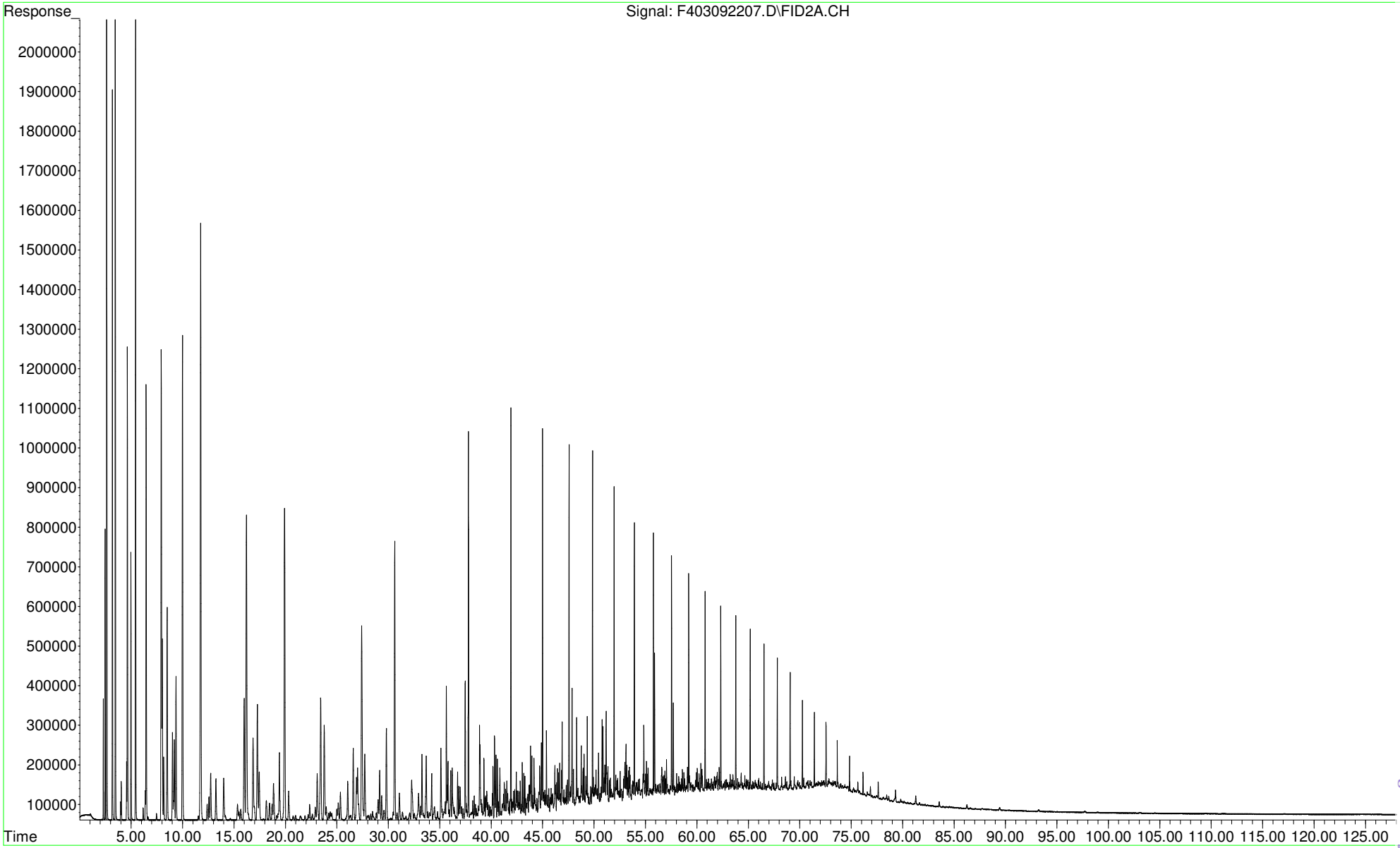
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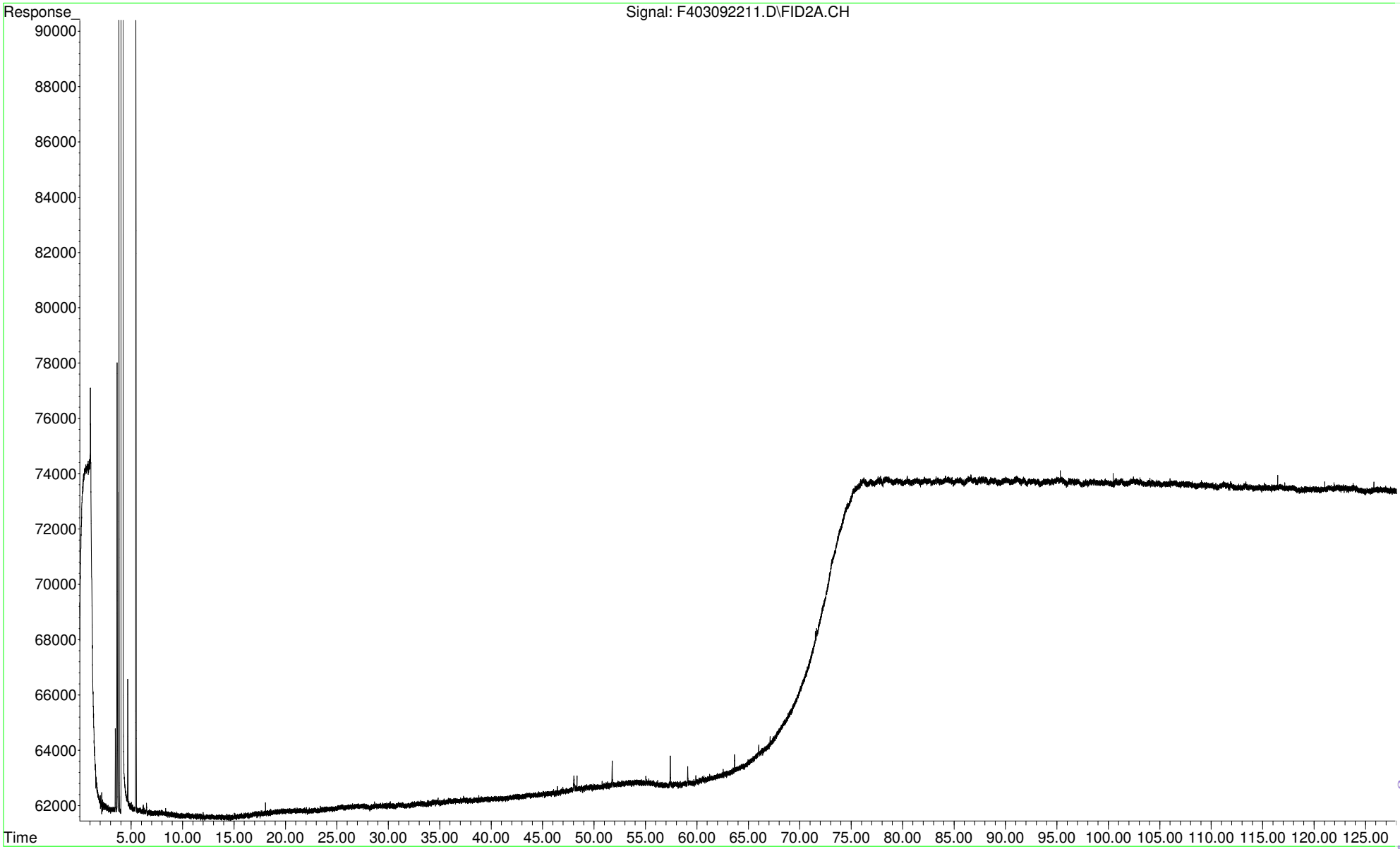
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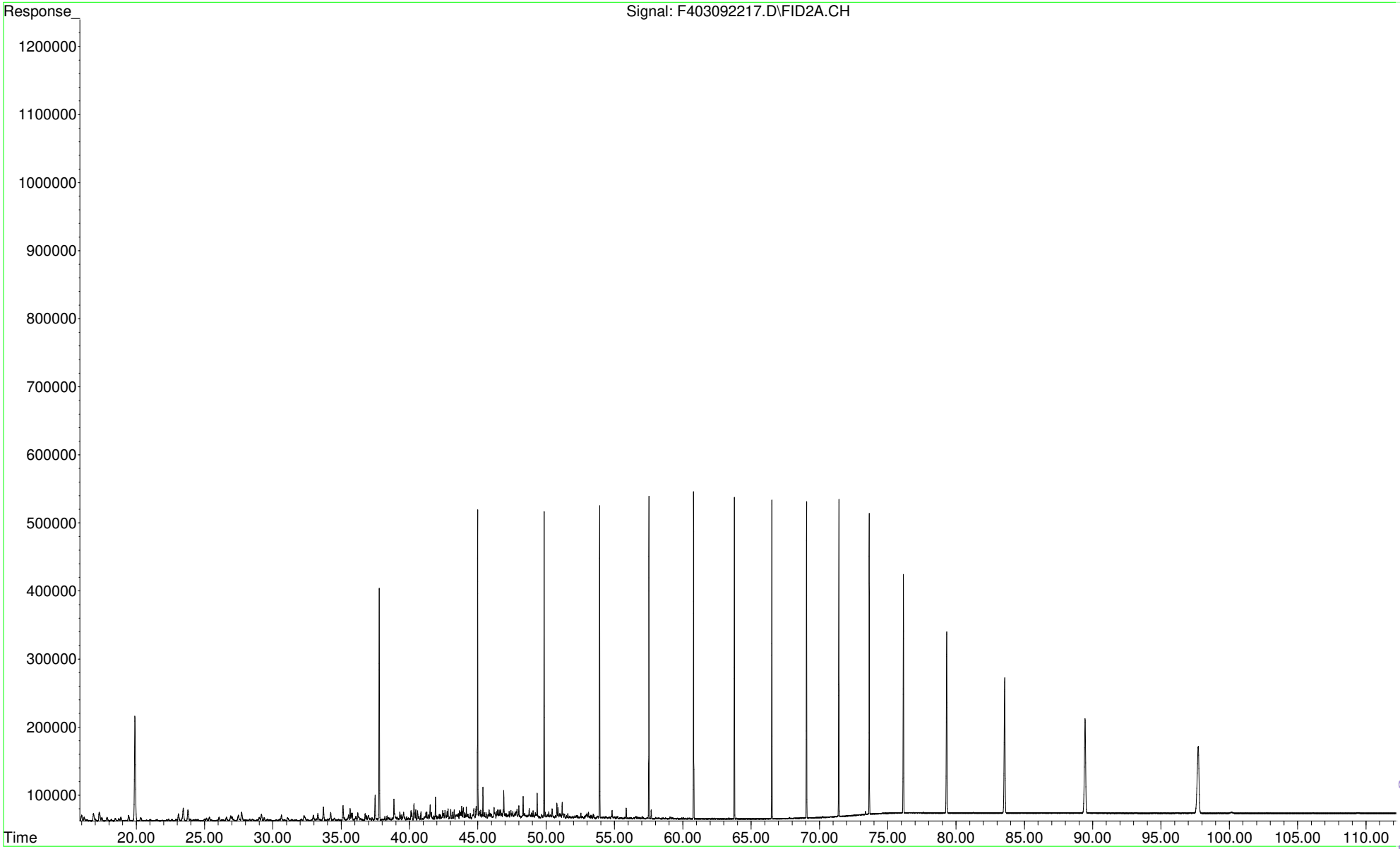
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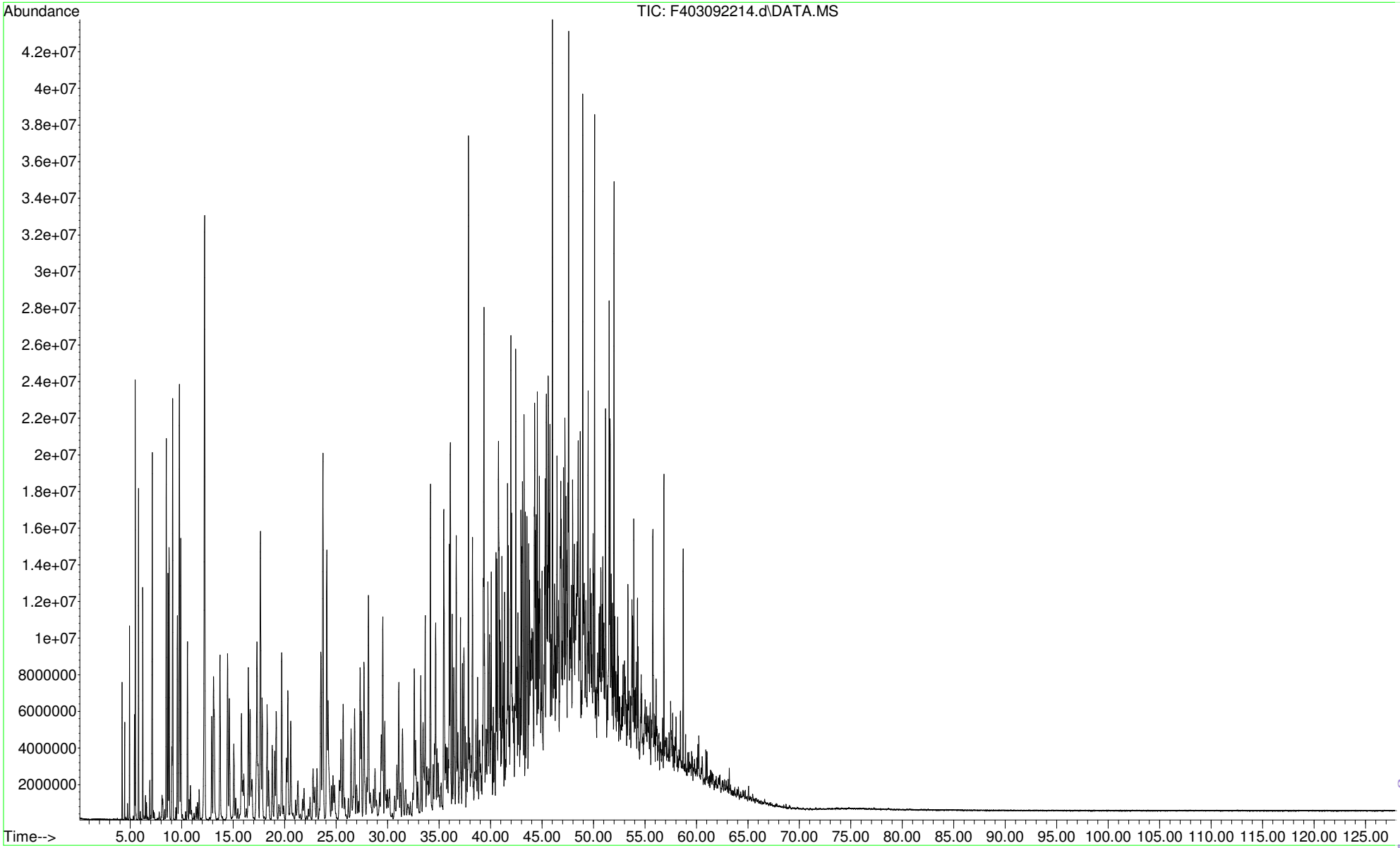
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Whole Oil by GC-MS Chromatograms

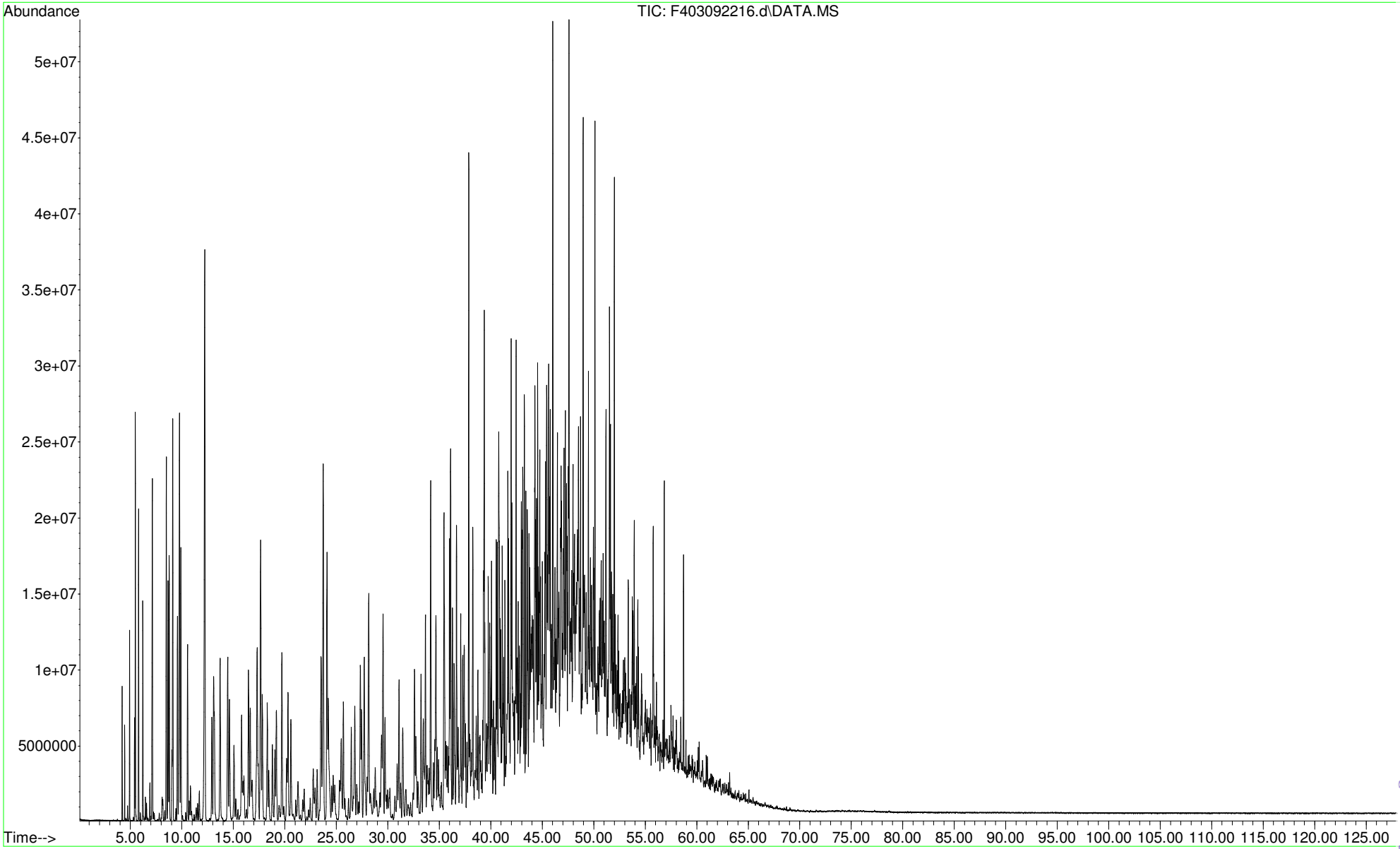
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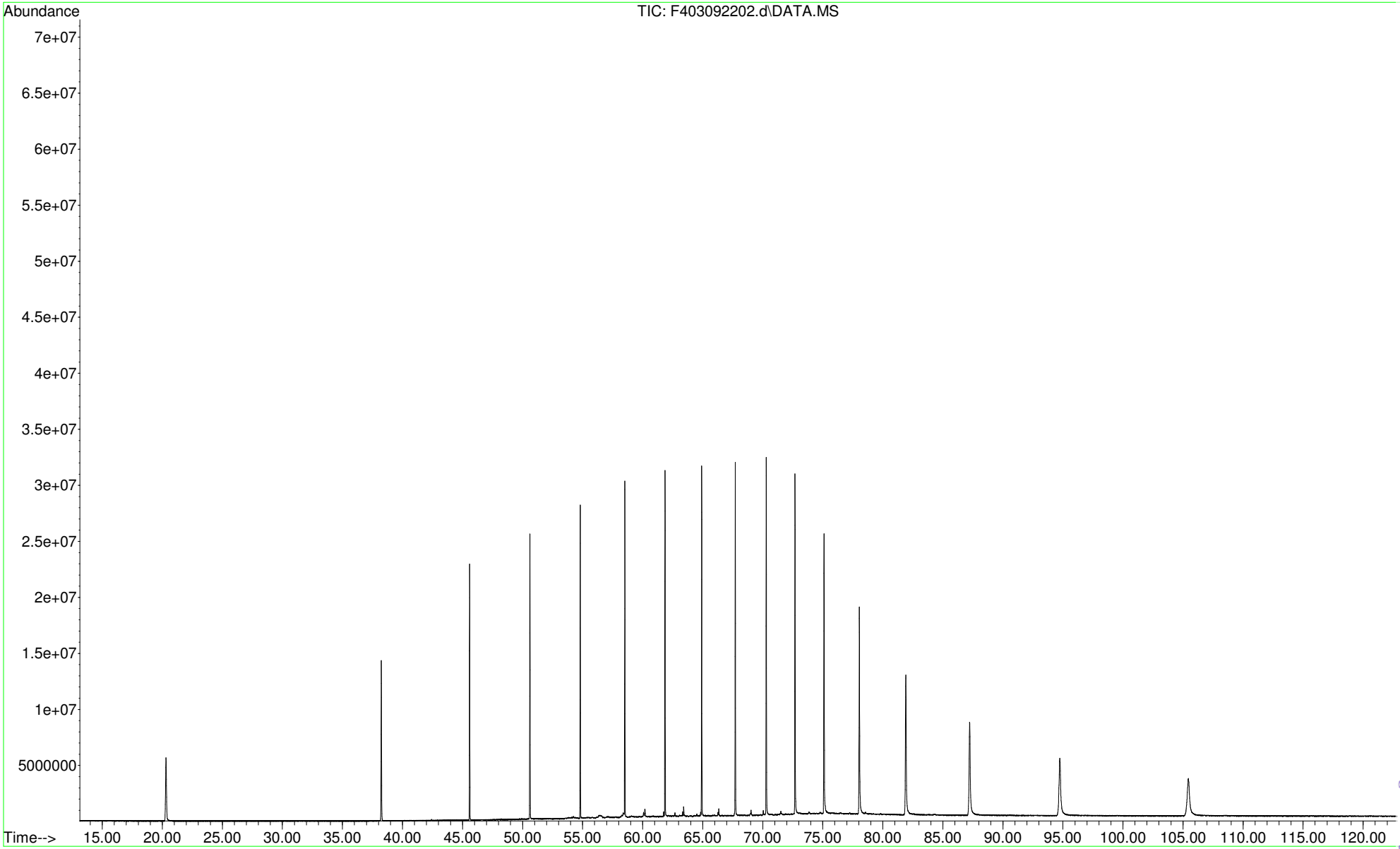
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Whole Oil Reference Oils

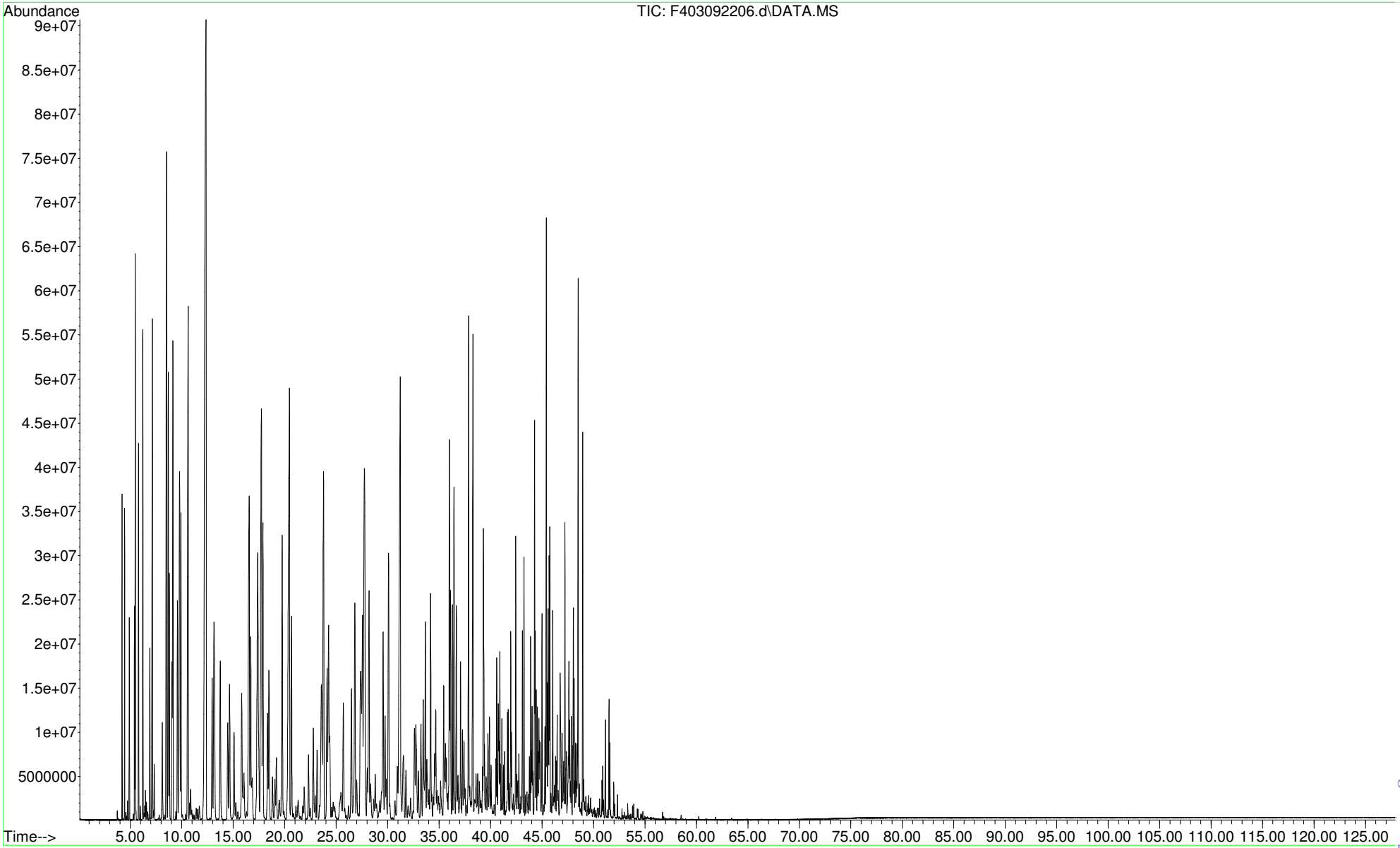
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Misc Info : cc
Vial Number: 1



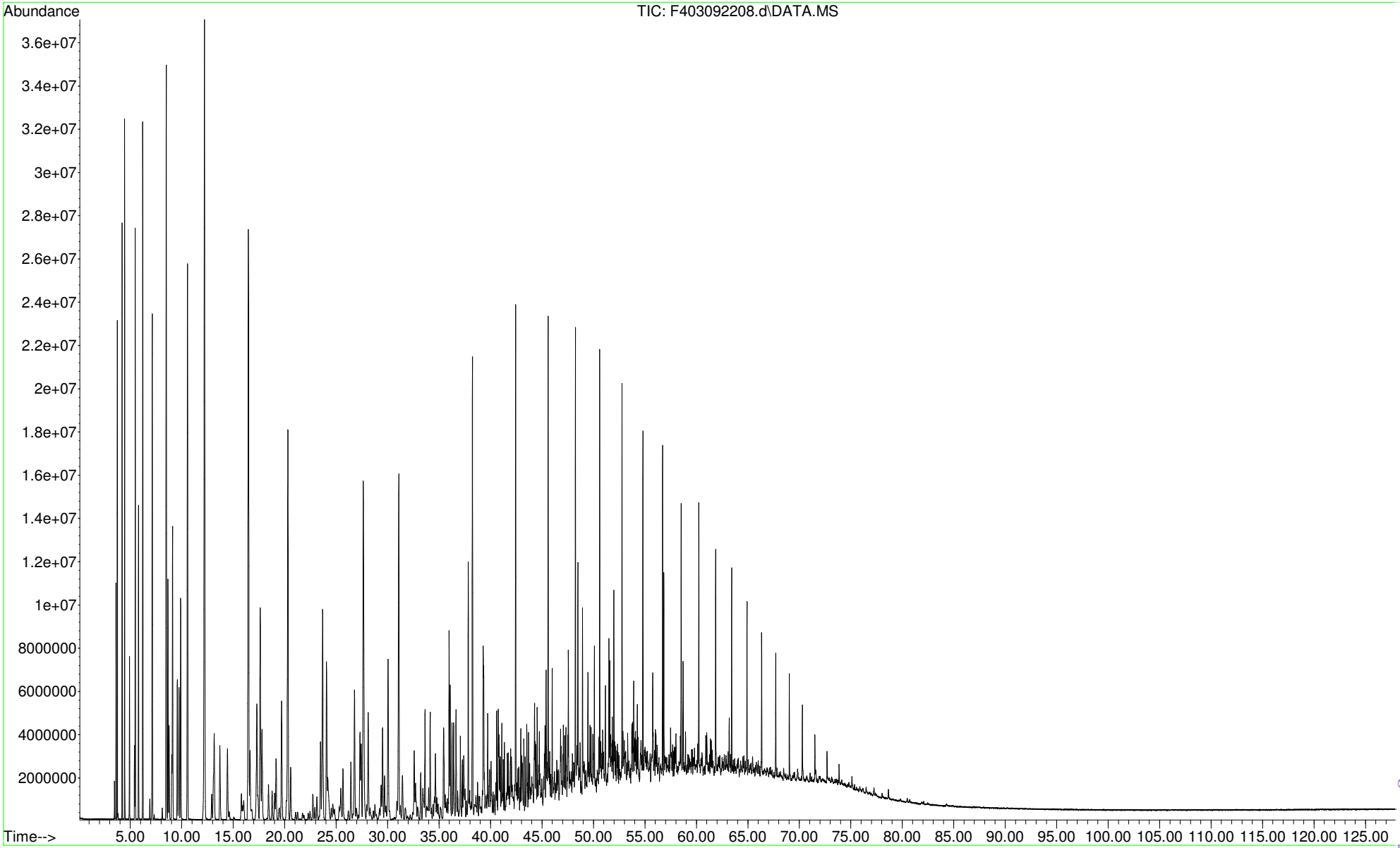
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Received by OCD: 6/14/2023 2:10:34 PM

File :O:\Forensics\Data\PAH4\2022\MAR22\MAR09\F403092206.d
Operator : AC
Acquired : 9 Mar 2022 4:29 pm using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: LD703092202
Misc Info : F1012605B
Vial Number: 3



Released to Imaging: 10/3/2023 9:42:06 AM
Received by OCD: 6/14/2023 2:10:34 PM

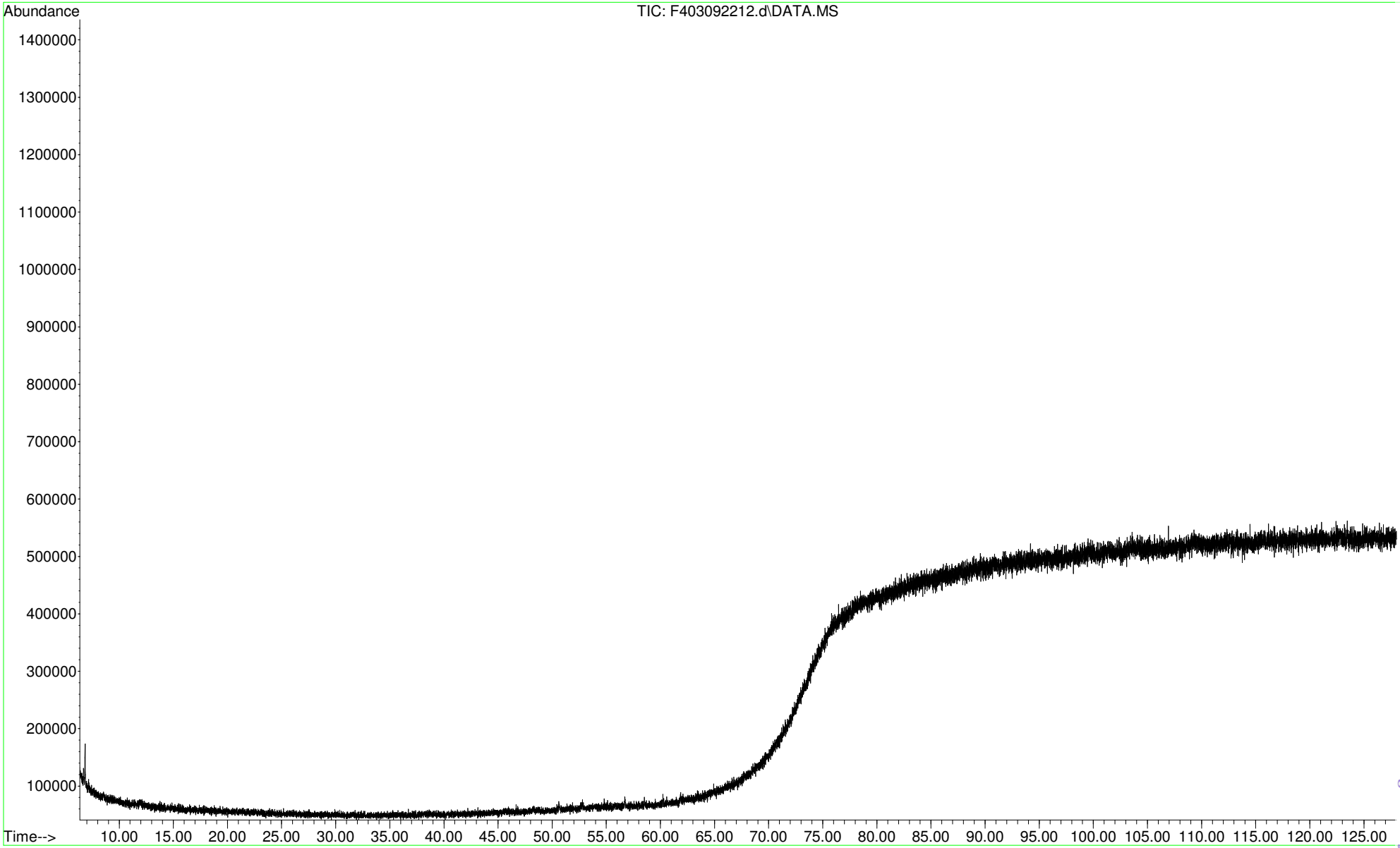
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Operator : AC
Acquired : 9 Mar 2022 6:49 pm using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: ANS03092202
Misc Info : F021208A
Vial Number: 4



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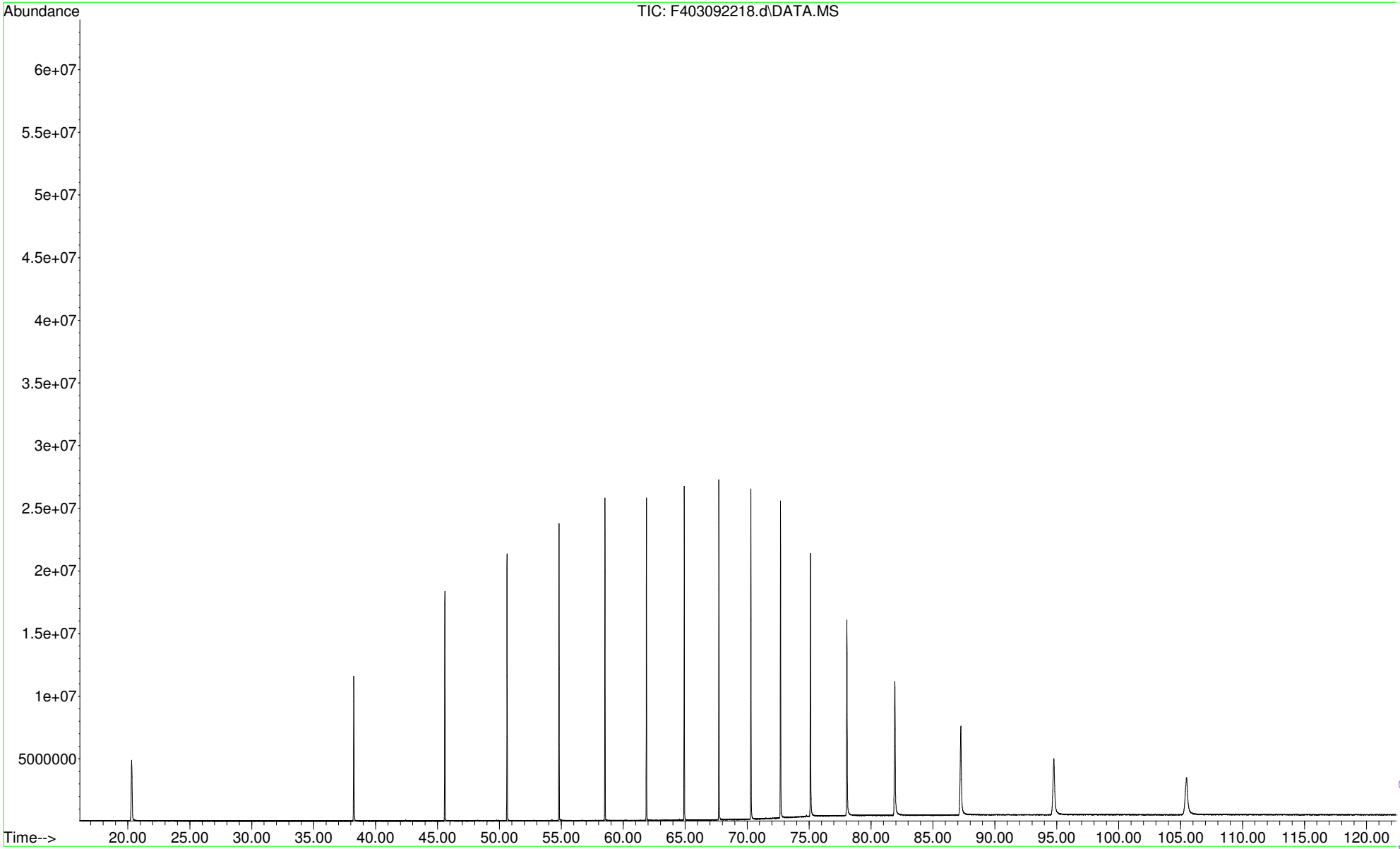
Released to Imaging: 10/3/2023 9:42:06 AM
Received by OCD: 6/14/2023 2:10:34 PM

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Operator : AC
Acquired : 9 Mar 2022 11:29 pm using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: dcm
Misc Info : dcm
Vial Number: 6



Released to Imaging: 10/3/2023 9:42:06 AM
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Operator : AC
Acquired : 10 Mar 2022 6:28 am using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name:
Misc Info : ccv
Vial Number: 9



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 227935

CONDITIONS

Operator: HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	OGRID: 15694
	Action Number: 227935
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
lbarr	None	10/3/2023