

2Q 2020

SVE  
Report

**From:** [Smith, Cory, EMNRD](#)  
**To:** ["Jennifer Deal"](#)  
**Cc:** ["Devin Hencmann"](#); ["Eric Carroll"](#); ["Daniel Burns"](#)  
**Subject:** RE: Bell Federal GC B 1  
**Date:** Friday, August 14, 2020 9:57:00 AM

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Jennifer,

Please in the 3Q reporting include the Analytics that were requested in the 4Q 2019 going forward.

I have gone ahead and processed the 1Q and 2Q of 2020 report.

Thank you,

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

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**From:** Smith, Cory, EMNRD  
**Sent:** Friday, August 14, 2020 9:43 AM  
**To:** 'Jennifer Deal' <[jdeal@hilcorp.com](mailto:jdeal@hilcorp.com)>  
**Cc:** Devin Hencmann <[dhencmann@ltenv.com](mailto:dhencmann@ltenv.com)>; Eric Carroll <[ecarroll@ltenv.com](mailto:ecarroll@ltenv.com)>; Daniel Burns <[dburns@ltenv.com](mailto:dburns@ltenv.com)>  
**Subject:** RE: Bell Federal GC B 1

Hello All,

I am reviewing this report and it doesn't look like the requested analytics were added to the report.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

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**From:** Jennifer Deal <[jdeal@hilcorp.com](mailto:jdeal@hilcorp.com)>  
**Sent:** Thursday, August 13, 2020 3:52 PM  
**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>  
**Cc:** Devin Hencmann <[dhencmann@ltenv.com](mailto:dhencmann@ltenv.com)>; Eric Carroll <[ecarroll@ltenv.com](mailto:ecarroll@ltenv.com)>  
**Subject:** [EXT] Bell Federal GC B 1

Cory,

Please see the SVE report for the Bell Federal GC B 1 regarding remediation activities during the 2<sup>nd</sup> quarter of 2020.

Incident #NCS1729355513.

Thank you,

Jennifer Deal

Environmental Specialist

**Hilcorp Energy – L48 West**

[jdeal@hilcorp.com](mailto:jdeal@hilcorp.com)

382 Road 3100

Aztec, NM 87410

Office: (505) 324-5128

Cell: (505) 801-6517

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July 31, 2020

Mr. Cory Smith  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

**RE: Quarter 2 2020 - Solar SVE System Update  
Hilcorp Energy Company  
Bell Federal GC B #1  
API # 30-045-09772  
Incident # NCS1729355513  
San Juan County, New Mexico**

Dear Mr. Smith:

LT Environmental, Inc. (LTE), on behalf of Hilcorp Energy Company (Hilcorp), presents the following quarterly summary of the solar soil vapor extraction (SVE) system performance at the Bell Federal GC B #1 natural gas production well (Site). The solar SVE system was installed on January 16, 2018, to remediate subsurface soil impacts following an act of vandalism that resulted in the release of approximately 58 barrels (bbl) of natural gas condensate. SVE installation, soil sampling, and delineation activities are summarized in earlier reports submitted to the New Mexico Oil Conservation Division (NMOCD) for each quarter of operation.

The solar SVE system consists of a 1/3 horsepower blower capable of producing 22 cubic feet per minute (cfm) at 29 inches of water column vacuum. The blower is powered by four 12-volt deep cycle batteries that are charged throughout the day via three solar panels with a nominal maximum power output of 915 watts. The blower runs off a timer that is scheduled to maximize runtime that coincides with the seasonally available solar recharge, typically 10 hours in the winter and 12 hours in the summer, for Farmington, New Mexico. Between startup (January 16, 2018) and the last site visit on June 25, 2020, there have been 890 days of operation, with an estimated 10,738 total hours of available nominal daylight in which the solar SVE system could operate. Of the available runtime of 10,738 hours since installation, the system has an actual runtime of 10,018 hours, for an overall runtime efficiency of 93.3 percent (%). Below is a table summarizing SVE runtime in comparison with nominal available daylight hours, per month, according to the National Oceanic and Atmospheric Administration's National Weather Service.

Time Period	January 16, 2018 to March 10, 2020	March 10, 2020 to March 31, 2020	April 1, 2020 to April 30, 2020	May 1, 2020 to May 31, 2020	June 1, 2020 to June 24, 2020
Days	784	21	30	31	24
Avg. Nominal Daylight Hrs	12	11	12	13	14
Available Runtime Hrs.	9,408	231	360	403	336
<b>Total Available Daylight Runtime Hours</b>					10,738
<b>Actual Runtime Hours</b>					10,018
<b>% Runtime</b>					93.3%

An initial air sample was collected on January 24, 2018, from the solar SVE system inlet manifold. Subsequent air samples have been collected quarterly (Table 1) with the last sample collected on June 25, 2020. No air sample was collected during the second quarter of 2018, due to a change in operator from XTO Energy to Hilcorp, and no air sample was collected during the fourth quarter 2018 due to additional delineation in January 2019.

Samples were collected in Tedlar® bags and submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021, and total volatile petroleum hydrocarbons (TVPH) via EPA Method 8015. Laboratory analytical results are summarized in Table 1, with complete laboratory reports included as Attachment 1. Overall benzene concentrations have decreased from 280 micrograms per liter (µg/L) to 180 µg/L since the solar SVE system was installed.

Since the solar SVE system installation, a total of approximately 56.9 gallons of liquid phase separated hydrocarbons (PSH) have been recovered from the SVE wells and liquid-vapor separator tank. Based on the air sample data collected to date, mass air emissions were estimated using air sample analytical results and exhaust flowrates (Table 2). The impacted mass source removal via the solar SVE system to date is an estimated 11,962 pounds of TVPH. Including the PSH and vapor phase hydrocarbons, an estimated total of 1,986 gallons or 47.3 bbl of PSH and air equivalent condensate has been recovered to date.

During the upcoming 3<sup>rd</sup> quarter 2020 of operations, Site visits will resume on a bi-weekly basis by Hilcorp personnel to ensure 90% runtime efficiency continues and that any maintenance issues are addressed. An air sample will be collected in the 3<sup>rd</sup> quarter and analyzed for BTEX by EPA Method 8021 and TVPH by EPA Method 8015. An updated quarterly report with sample results, runtime, and mass source removal will be submitted under separate cover.

LTE appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at [dburns@ltenv.com](mailto:dburns@ltenv.com) or Jennifer Deal at (505) 324-5128 or [jdeal@hilcorp.com](mailto:jdeal@hilcorp.com).

Sincerely,

LT ENVIRONMENTAL, INC.



Danny Burns  
Project Geologist



Ashley Ager, M.S., P.G.  
Senior Geologist

cc: Jennifer Deal, Hilcorp Energy Company

**ATTACHMENTS:**

Table 1	Air Sample Analytical Results
Table 2	Soil Vapor Extraction System Recovery & Emissions Summary
Attachment 1	Analytical Laboratory Reports

**TABLE 1  
AIR SAMPLE ANALYTICAL RESULTS**

**BELL FEDERAL GC B#1  
SAN JUAN COUNTY, NEW MEXICO  
HILCORP ENERGY COMPANY**

Sample ID	Sample Date	Vapor (ppm)	Benzene (µg/L)	Toluene (µ/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TVPH (µg/L)
Bell Fed GC B#1 SVE	1/24/2018	1,435	280	200	5.0	38	30,000
Stack Exhaust 01	8/17/2018	1,873	160	380	21	320	18,000
SVE Effluent	3/22/2019	1,607	490	920	24	480	NA
Influent 6/18	6/18/2019	1,026	72	270	27	290	NA
Bell Fed 9/25	9/25/2019	1,762	220	480	21	440	35,000
Influent 12/16	12/16/2019	1,902	130	840	21	220	22,000
Bell Fed 3/10/20	3/10/2020	1,171	120	380	19	330	31,000
Influent 6/25	6/25/2020	978	180	430	25	480	45,000

**NOTES:**

µg/L - micrograms per liter

NA - not analyzed

ppm - parts per million

TVPH- total volatile petroleum hydrocarbons

*Italics denote that the laboratory method detection limit was used for calculations for a non-detected result*



**TABLE 2**  
**SOIL VAPOR EXTRACTION SYSTEM RECOVERY & EMISSIONS SUMMARY**

**BELL FEDERAL GC B#1**  
**SAN JUAN COUNTY, NEW MEXICO**  
**HILCORP ENERGY COMPANY**

**Sample Information and Lab Analysis**

Date	Total Flow (cf)	Delta Flow (cf)	PID (ppm)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TVPH (µg/L)
1/24/2018	164,400	164,400	1,435	280	200	5	38	30,000
8/17/2018	2,059,584	1,895,184	1,873	160	380	21	320	18,000
3/22/2019	6,554,304	4,494,720	1,607	490	920	24	480	NA
6/18/2019	12,009,024	5,454,720	1,026	72	270	27	290	NA
9/25/2019	17,848,704	5,839,680	1,762	220	480	21	440	35,000
12/16/2019	23,688,384	11,679,360	1,902	130	840	21	220	22,000
3/10/2020	34,415,184	10,726,800	1,171	120	380	19	330	31,000
6/25/2020	46,436,784	12,021,600	978	180	430	25	480	45,000
Average			1,469	207	488	20	325	30,167

**Vapor Extraction Calculations**

Date	Flow Rate (cfm)	Benzene (lb/hr)	Toluene (lb/hr)	Ethyl- benzene (lb/hr)	Total Xylenes (lb/hr)	TVPH (lb/hr)
1/24/2018	40	0.0419	0.0299	0.0007	0.0057	4.4921
8/17/2018	12	0.0072	0.0171	0.0009	0.0144	0.8086
3/22/2019	16	0.0293	0.0551	0.0014	0.0287	NA
6/18/2019	16	0.0043	0.0162	0.0016	0.0174	NA
9/25/2019	14	0.0115	0.0252	0.0011	0.0231	1.8343
12/16/2019	16	0.0078	0.0503	0.0013	0.0132	1.3177
3/10/2020	20	0.0090	0.0284	0.0014	0.0247	2.3209
6/25/2020	20	0.0135	0.0322	0.0019	0.0359	3.3690
Average	19	0.0156	0.0318	0.0013	0.0204	2.3571

**Pounds Extracted Over Total Operating Time**

Date	Total Operational Hours	Delta Hours	Benzene (lbs)	Toluene (lbs)	Ethyl- benzene (lbs)	Total Xylenes (lbs)	TVPH (lbs)	TVPH (tons)
1/24/2018	68.5	69	2.9	2.1	0.1	0.4	308	0.2
8/17/2018	2,632	2,564	18.4	43.8	2.4	36.9	2,073	1.0
3/22/2019	4,682	2,050	60.2	112.9	2.9	58.9	NA	NA
6/26/2019	5,682	1,000	4.3	16.2	1.6	17.4	NA	NA
9/25/2019	6,952	1,270	14.6	31.9	1.4	29.3	2,330	1.2
12/16/2019	7,943	991	7.7	49.9	1.2	13.1	1,306	0.7
3/10/2020	8,939	996	8.9	28.3	1.4	24.6	2,312	1.2
6/25/2020	10,018	1,079	14.5	34.7	2.0	38.8	3,635	1.8
Avg. Mass Extracted Per Period			16.5	40.0	1.6	27.4	1,993.8	1.0
Total Mass Extracted to Date			131.6	319.8	13.1	219.3	11,962.8	6.0

**NOTES**

cf - cubic feet

cfm - cubic feet per minute

lbs - pounds

lb/hr - pounds per hour

µg/L - microgram per liter

NA - not analyzed

PID - photoionization detector

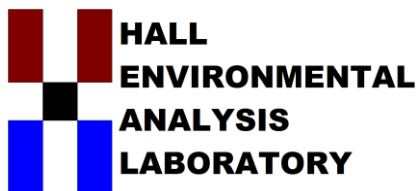
ppm - parts per million

TVPH - total volatile petroleum hydrocarbons

*Italics denote that the laboratory method detection limit was used for calculations for a non-detected result*







*Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com*

July 01, 2020

Danny Burns  
HILCORP ENERGY  
PO Box 4700  
Farmington, NM 87499  
TEL: (505) 564-0733  
FAX:

RE: Bell Federal

OrderNo.: 2006E42

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/27/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2006E42

Date Reported: 7/1/2020

**CLIENT:** HILCORP ENERGY

**Client Sample ID:** Influent 6/25

**Project:** Bell Federal

**Collection Date:** 6/25/2020 10:00:00 AM

**Lab ID:** 2006E42-001

**Matrix:** AIR

**Received Date:** 6/27/2020 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	45000	500		µg/L	100	6/29/2020 9:54:30 AM	G69992
Surr: BFB	239	53-256		%Rec	100	6/29/2020 9:54:30 AM	G69992
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	100	6/29/2020 9:54:30 AM	B69992
Benzene	180	10		µg/L	100	6/29/2020 9:54:30 AM	B69992
Toluene	430	10		µg/L	100	6/29/2020 9:54:30 AM	B69992
Ethylbenzene	25	10		µg/L	100	6/29/2020 9:54:30 AM	B69992
Xylenes, Total	480	20		µg/L	100	6/29/2020 9:54:30 AM	B69992
Surr: 4-Bromofluorobenzene	101	79.9-124		%Rec	100	6/29/2020 9:54:30 AM	B69992

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# Sample Log-In Check List

Client Name: **HILCORP ENERGY**

Work Order Number: **2006E42**

RcptNo: 1

Received By: **Desiree Dominguez** 6/27/2020 10:20:00 AM

Completed By: **Desiree Dominguez** 6/27/2020 10:56:57 AM

Reviewed By: *Tom 6/27/2020 6/27/2020*

*labelled by 6/27/2020*

## Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

## Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels? Yes ☒ No ☐  
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met? Yes ☒ No ☐  
(If no, notify customer for authorization.)

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: \_\_\_\_\_

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	NA	Good	Not Present			

# Chain-of-Custody Record

Client: Hillcorp

Mailing Address: Clara Cardozo

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ Other

☐ NELAC ☐ Other

☐ EDD (Type)

Sampler: E. Carroll

On Ice: ☒ Yes ☐ No

# of Coolers: 1 N/A 0 6/24/20

Cooler Temp (including CF): 5.5-6.1-6.4 (°C)

Container Type and # Tedlar

Preservative Type 2006E47

HEAL No. -001

Sample Name Influent G/25

Date 6/23/20 Time 1000 Matrix Air

Relinquished by: Eddie Carroll Date: 6/26/20 Time: 1500

Relinquished by: Christine Walter Date: 6/26/20 Time: 1500

Received by: Christine Walter Date: 6/27/20 Time: 10:20

Via: CD

Remarks:

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Bell Federal

Project #:

Project Manager: Danny Burns

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

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8081 Pesticides/8082 PCB's

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PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

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Total Coliform (Present/Absent)

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8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

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Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

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Total Coliform (Present/Absent)

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TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

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8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

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