

ANALYTICAL REPORT

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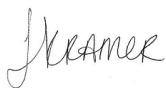
Laboratory Job ID: 880-17690-1

Laboratory Sample Delivery Group: Lea Co., NM
Client Project/Site: Bobbi State WF Unit #003
Revision: 1

For:

Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761

Attn: Cindy Crain



Authorized for release by:

9/13/2022 12:10:53 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Job ID: 880-17690-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-17690-1

REVISION

The report being provided is a revision of the original report sent on 8/15/2022. The report (revision 1) is being revised due to Per client email, needing TPH ran on sample SS-28 as indicated on COC.

Report revision history

Receipt

The samples were received on 8/3/2022 2:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-31561 and analytical batch 880-32162 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 880-17690-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-17690-2

Receipt

The samples were received on 8/3/2022 2:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-34181/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-34181 and analytical batch 880-34171 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34181 and analytical batch 880-34171 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Client Sample ID: SS-1 (2.5')

Date Collected: 08/02/22 12:10

Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Lab Sample ID: 880-17690-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.00		mg/Kg			08/15/22 10:53	1

Client Sample ID: SS-23 (2.5')

Date Collected: 08/02/22 12:15

Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Lab Sample ID: 880-17690-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.97		mg/Kg			08/15/22 11:21	1

Client Sample ID: SS-8 (2.5')

Date Collected: 08/02/22 12:20

Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Lab Sample ID: 880-17690-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.96		mg/Kg			08/15/22 11:30	1

Client Sample ID: SS-27 (2')

Date Collected: 08/02/22 12:25

Date Received: 08/03/22 14:59

Sample Depth: 2'

Lab Sample ID: 880-17690-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.02		mg/Kg			08/15/22 11:39	1

Client Sample ID: SS-28 (2')

Date Collected: 08/02/22 12:30

Date Received: 08/03/22 14:59

Sample Depth: 2'

Lab Sample ID: 880-17690-5

Matrix: Solid

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.7		50.0		mg/Kg			09/13/22 10:25	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U H *1	50.0		mg/Kg		09/12/22 08:48	09/12/22 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U H	50.0		mg/Kg		09/12/22 08:48	09/12/22 15:19	1
Oil Range Organics (Over C28-C36)	71.7	H	50.0		mg/Kg		09/12/22 08:48	09/12/22 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	09/12/22 08:48	09/12/22 15:19	1
o-Terphenyl	111		70 - 130	09/12/22 08:48	09/12/22 15:19	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Client Sample ID: SS-28 (2')

Lab Sample ID: 880-17690-5

Date Collected: 08/02/22 12:30

Matrix: Solid

Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.99		mg/Kg			08/15/22 11:48	1

Client Sample ID: SS-30 (2')

Lab Sample ID: 880-17690-6

Date Collected: 08/02/22 12:35

Matrix: Solid

Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/08/22 13:23	08/10/22 15:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/08/22 13:23	08/10/22 15:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/22 10:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.00		mg/Kg			08/15/22 12:16	1

Surrogate Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-17690-6	SS-30 (2')	108	94
880-17690-6 MS	SS-30 (2')	104	95
880-17690-6 MSD	SS-30 (2')	105	98
890-2704-A-9-D MS	Matrix Spike	106	93
890-2704-A-9-E MSD	Matrix Spike Duplicate	102	103
LCS 880-31768/1-A	Lab Control Sample	111	92
LCS 880-31769/1-A	Lab Control Sample	107	100
LCSD 880-31768/2-A	Lab Control Sample Dup	104	92
MB 880-31768/5-A	Method Blank	94	97
MB 880-31769/5-A	Method Blank	94	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-17690-5	SS-28 (2')	109	111
890-2907-A-1-C MS	Matrix Spike	98	93
890-2907-A-1-D MSD	Matrix Spike Duplicate	99	93
LCS 880-34181/2-A	Lab Control Sample	144 S1+	151 S1+
LCSD 880-34181/3-A	Lab Control Sample Dup	122	130
MB 880-34181/1-A	Method Blank	105	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31768/5-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/22 13:11	08/11/22 02:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/08/22 13:11	08/11/22 02:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/08/22 13:11	08/11/22 02:38	1

Lab Sample ID: LCS 880-31768/1-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07179		mg/Kg		72	70 - 130
Toluene	0.100	0.08341		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08799		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1838		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09228		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-31768/2-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07256		mg/Kg		73	70 - 130	1	35
Toluene	0.100	0.08266		mg/Kg		83	70 - 130	1	35
Ethylbenzene	0.100	0.08687		mg/Kg		87	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1804		mg/Kg		90	70 - 130	2	35
o-Xylene	0.100	0.09054		mg/Kg		91	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-2704-A-9-D MS

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.08508		mg/Kg		85	70 - 130
Toluene	<0.00199	U	0.0998	0.09438		mg/Kg		95	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2704-A-9-D MS

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.09810		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2010		mg/Kg		101	70 - 130
o-Xylene	<0.00199	U	0.0998	0.09903		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-2704-A-9-E MSD

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.1022		mg/Kg		102	70 - 130	18	35
Toluene	<0.00199	U	0.100	0.09599		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.09685		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1954		mg/Kg		97	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.09572		mg/Kg		95	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-31769/5-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/22 13:23	08/10/22 14:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/08/22 13:23	08/10/22 14:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/08/22 13:23	08/10/22 14:40	1

Lab Sample ID: LCS 880-31769/1-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09980		mg/Kg		100	70 - 130
Toluene	0.100	0.09571		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09946		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-31769/1-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09984		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	107		70 - 130				
1,4-Difluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: 880-17690-6 MS

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: SS-30 (2')

Prep Type: Total/NA

Prep Batch: 31769

Analysis Data: 07001									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09015		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.100	0.09789		mg/Kg		97	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09981		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2056		mg/Kg		102	70 - 130
o-Xylene	<0.00201	U	0.100	0.1003		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 880-17690-6 MSD

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: SS-30 (2')

Prep Type: Total/NA

Prep Batch: 31769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0998	0.08375		mg/Kg		84	70 - 130	7	35
Toluene	<0.00201	U	0.0998	0.08778		mg/Kg		88	70 - 130	11	35
Ethylbenzene	<0.00201	U	0.0998	0.08858		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1816		mg/Kg		91	70 - 130	12	35
o-Xylene	<0.00201	U	0.0998	0.08941		mg/Kg		90	70 - 130	11	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-34181/1-A

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/12/22 08:48	09/12/22 10:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/12/22 08:48	09/12/22 10:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/12/22 08:48	09/12/22 10:56	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-34181/1-A

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34181

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/12/22 08:48	09/12/22 10:56	1
o-Terphenyl	109		70 - 130	09/12/22 08:48	09/12/22 10:56	1

Lab Sample ID: LCS 880-34181/2-A

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34181

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	984.6		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1000		mg/Kg		100	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	144	S1+	70 - 130			
o-Terphenyl	151	S1+	70 - 130			

Lab Sample ID: LCSD 880-34181/3-A

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34181

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	765.3	*1	mg/Kg		77	70 - 130	25	20
Diesel Range Organics (Over C10-C28)		1000	859.3		mg/Kg		86	70 - 130	15	20

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	122		70 - 130			
o-Terphenyl	130		70 - 130			

Lab Sample ID: 890-2907-A-1-C MS

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 *1	998	611.1	F1	mg/Kg		59	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	859.4		mg/Kg		83	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	98		70 - 130			
o-Terphenyl	93		70 - 130			

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2907-A-1-D MSD

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 *1	995	585.4	F1	mg/Kg		57	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U	995	865.7		mg/Kg		84	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	93		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31561/1-A

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/15/22 10:25	1

Lab Sample ID: LCS 880-31561/2-A

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.3		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-31561/3-A

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.9		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-17690-1 MS

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: SS-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	101		250	352.3		mg/Kg		100	90 - 110

Lab Sample ID: 880-17690-1 MSD

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: SS-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	101		250	355.1		mg/Kg		101	90 - 110	1	20

QC Sample Results

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17770-A-1-C MS

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	901	F1	249	1097	F1	mg/Kg		79	90 - 110		

Lab Sample ID: 880-17770-A-1-D MSD

Matrix: Solid

Analysis Batch: 32162

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	901	F1	249	1097	F1	mg/Kg		79	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

GC VOA

Prep Batch: 31768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31768/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2704-A-9-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2704-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	5035	
MB 880-31769/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31769/1-A	Lab Control Sample	Total/NA	Solid	5035	
880-17690-6 MS	SS-30 (2')	Total/NA	Solid	5035	
880-17690-6 MSD	SS-30 (2')	Total/NA	Solid	5035	

Analysis Batch: 31904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	8021B	31769
MB 880-31768/5-A	Method Blank	Total/NA	Solid	8021B	31768
MB 880-31769/5-A	Method Blank	Total/NA	Solid	8021B	31769
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	8021B	31768
LCS 880-31769/1-A	Lab Control Sample	Total/NA	Solid	8021B	31769
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31768
880-17690-6 MS	SS-30 (2')	Total/NA	Solid	8021B	31769
880-17690-6 MSD	SS-30 (2')	Total/NA	Solid	8021B	31769
890-2704-A-9-D MS	Matrix Spike	Total/NA	Solid	8021B	31768
890-2704-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31768

Analysis Batch: 31981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-5	SS-28 (2')	Total/NA	Solid	8015B NM	34181
MB 880-34181/1-A	Method Blank	Total/NA	Solid	8015B NM	34181
LCS 880-34181/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34181
LCSD 880-34181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34181
890-2907-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	34181
890-2907-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34181

Prep Batch: 34181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-5	SS-28 (2')	Total/NA	Solid	8015NM Prep	
MB 880-34181/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34181/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2907-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2907-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 34380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-5	SS-28 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-1	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17690-2	SS-23 (2.5')	Soluble	Solid	DI Leach	
880-17690-3	SS-8 (2.5')	Soluble	Solid	DI Leach	
880-17690-4	SS-27 (2')	Soluble	Solid	DI Leach	
880-17690-5	SS-28 (2')	Soluble	Solid	DI Leach	
880-17690-6	SS-30 (2')	Soluble	Solid	DI Leach	
MB 880-31561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17690-1 MS	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17690-1 MSD	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17770-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17770-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 32162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-1	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17690-2	SS-23 (2.5')	Soluble	Solid	300.0	31561
880-17690-3	SS-8 (2.5')	Soluble	Solid	300.0	31561
880-17690-4	SS-27 (2')	Soluble	Solid	300.0	31561
880-17690-5	SS-28 (2')	Soluble	Solid	300.0	31561
880-17690-6	SS-30 (2')	Soluble	Solid	300.0	31561
MB 880-31561/1-A	Method Blank	Soluble	Solid	300.0	31561
LCS 880-31561/2-A	Lab Control Sample	Soluble	Solid	300.0	31561
LCSD 880-31561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31561
880-17690-1 MS	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17690-1 MSD	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17770-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	31561
880-17770-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31561

Lab Chronicle

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Client Sample ID: SS-1 (2.5')

Date Collected: 08/02/22 12:10

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 10:53	CH	EET MID

Client Sample ID: SS-23 (2.5')

Date Collected: 08/02/22 12:15

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:21	CH	EET MID

Client Sample ID: SS-8 (2.5')

Date Collected: 08/02/22 12:20

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:30	CH	EET MID

Client Sample ID: SS-27 (2')

Date Collected: 08/02/22 12:25

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:39	CH	EET MID

Client Sample ID: SS-28 (2')

Date Collected: 08/02/22 12:30

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34380	09/13/22 10:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34181	09/12/22 08:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34171	09/12/22 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:48	CH	EET MID

Client Sample ID: SS-30 (2')

Date Collected: 08/02/22 12:35

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31769	08/08/22 13:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/10/22 15:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31981	08/11/22 10:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Client Sample ID: SS-30 (2')

Date Collected: 08/02/22 12:35

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 12:16	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-17690-1	SS-1 (2.5')	Solid	08/02/22 12:10	08/03/22 14:59	2.5'
880-17690-2	SS-23 (2.5')	Solid	08/02/22 12:15	08/03/22 14:59	2.5'
880-17690-3	SS-8 (2.5')	Solid	08/02/22 12:20	08/03/22 14:59	2.5'
880-17690-4	SS-27 (2')	Solid	08/02/22 12:25	08/03/22 14:59	2'
880-17690-5	SS-28 (2')	Solid	08/02/22 12:30	08/03/22 14:59	2'
880-17690-6	SS-30 (2')	Solid	08/02/22 12:35	08/03/22 14:59	2'



Environment Testing
Xenco

Chain of Custody
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 17647

www.xenco.com Page 1 of 1

Project Manager:	Lindy Crain	Bill to: (if different)	Ralph Butler
Company Name:	Crain Environmental	Company Name:	Clend / Sudown
Address:	2425 E. 17th St.	Address:	1440 Dallas Pkwy, Ste. 100
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Dallas, TX 75248
Phone:	(575) 441-7244	Email:	Lindy.Crain@gmail.com

Program:	UST/PST	RRP	Brownfields	RRC	Superfund
State of Project:	NM				
Reporting Level:	Level II	Level III	PST/UST	TRRP	Level IV
Deliverables:	EDD	ADAPT	Other		

Project Name:	Bobbi Skate WF Unit #003	Turn Around	Pre-Code	ANALYSIS REQUEST	Preservative Codes
Project Number:		☒ Routine ☐ Rush			None NO DI Water H ₂ O
Project location:	Lea Co, NM	Due Date:	8/10/22		Cool Cool MeOH Me
Sample's Name:	Lindy Crain	TAT starts the day received by the lab, if received by 4:30pm			HCL HC HNO ₃ HN
PO #					H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	Yes (No)	H ₃ PO ₄ HP
Samples Received Intact:	Yes (No)	Thermometer ID:			NaHSO ₄ NABIS
Cooler Custody Seals:	Yes (No)	Correction Factor:			Na ₂ S ₂ O ₃ NaSO ₃
Sample Custody Seals:	Yes (No)	Temperature Reading:			Zn Acetate+NaOH Zn
Total Containers:		Corrected Temperature:			NaOH+Ascorbic Acid SAAC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
55-1 (2.5')	S	8/2/22	1210	2.5'	L	1	Chlorides	
55-23 (2.5')			1215	2.5'			TPH BOIS	
55-8 (2.5')			1220	2.5'			BTEX	
55-27 (2')			1225	2'				
55-28 (2')			1230	2'				
55-30 (2')			1235	2'				



880-17690 Chain of Custody

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010	8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg 1631 / 2451 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied for each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Lindy Crain		8/3/22			
		14:59			

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-17690-1

SDG Number: Lea Co., NM

Login Number: 17690

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	