

Exhibit O.

Five Sisters Site

Phase II Environmental

Site Assessment





October 8, 2025

One Acadiana
807 East Saint Mary Boulevard
Lafayette, Louisiana 70503

**Five Sisters Site
Phase II Environmental
Site Assessment**

Attn: Megan Duhon

RE: Five Sisters Site Limited Soil Sampling Event

On Tuesday August 26, 2025, H & H Environmental, Inc. advanced two (2) borings with samples at two (2) previously identified locations of apparent leaking 55-gallon steel drums observed during a Phase I Environmental Site Assessment conducted by H & H Environmental, Inc. for One Acadiana on this site on February 20, 2024. Each sample was analyzed for TPH-DRO/TPH-ORO by EPA method SW8015C, then compared to limits identified in the Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Table 1, Screening Option, Screening Standards for Soil and Groundwater. Approximately 20-gallons of dirt were removed at the west drum location and 10 gallons at the east drum location prior to sample collection for disposal at an approved disposal site. Only the west drum sample displayed TPH-DRO and TPH-ORO results above LDEQ RECAP screening standards. The site was visited again on September 19, 2025, and another approximate 15-gallons of additional dirt was removed at the west drum location prior to sample collection. Results from this sampling event were below LDEQ RECAP screening standards. Please refer to the attached map for sample locations, analytical report, and LDEQ RECAP comparison table.

We appreciate this opportunity to submit this report to you. If you should have any questions or require additional information regarding this matter, please do not hesitate to contact me at (337)230-6712.

H & H Environmental, Inc.

Ben Harmon
President

Attachments (4): LDEQ RECAP Comparison Table
Sample Map
Analytical Reports
LDEQ RECAP Table 1 Screening Option

LDEQ RECAP COMPARISON TABLE

August 26, 2025, Sampling Event

Analyte	EPA Method	Result (mg/kg)	RECAP SSni (mg/kg)	RECAP SSi (mg/kg)	RECAP SSGW (mg/kg)
Sample 1 (East drum near swimming pool house)					
Total Petroleum Hydrocarbons					
TPH-D (Diesel Range)	SW8015C	13.9	65	510	65
TPH-O (Oil Range)	SW8015C	28.4	180	2500	10000
Sample 2 (West drum on NE corner of old bar-drum removed)					
Total Petroleum Hydrocarbons					
TPH-D (Diesel Range)	SW8015C	2070	65	510	65
TPH-O (Oil Range)	SW8015C	441	180	2500	10000

September 19, 2025, Sampling Event

Analyte	EPA Method	Result (mg/kg)	RECAP SSni (mg/kg)	RECAP SSi (mg/kg)	RECAP SSGW (mg/kg)
(West drum on NE corner of old bar-drum removed)					
Total Petroleum Hydrocarbons					
TPH-D (Diesel Range)	SW8015C	64.7	65	510	65
TPH-O (Oil Range)	SW8015C	146	180	2500	10000

Sampling Map

CSRS One Acadiana
Five Sisters Site
Broussard, LA

Legend

- 1 East Drum - Sx. 1
- 2 West Drum - Sx. 2

2 West Drum - Sx. 2

1 East Drum - Sx. 1

Louis Records Rd

Vieux Chene Dr

Vieux Chene Dr

Vieux Chene Dr



Smede Hwy

Smede Hwy

Smede Hwy

900 ft

Google Earth



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

September 08, 2025

Ben Harmon
H & H Environmental
203 Concerto Crest
Duson, LA 70529
TEL: (337) 230-6712
FAX

RE: 5 - Sisters

Order No.: 25081132

Dear Ben Harmon:

Element Materials Technology Lafayette received 2 sample(s) on 8/26/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

Lindsay Roussel
Project Manager



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Case Narrative

WO#: 25081132
Date: 9/8/2025

CLIENT: H & H Environmental

Project: 5 - Sisters

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Analytical Report

(consolidated)

WO#: 25081132

Date Reported 9/8/2025

CLIENT: H & H Environmental **Collection Date:** 8/26/2025 9:30:00 AM
Project: 5 - Sisters
Lab ID: 25081132-001 **Matrix:** SOLID
Client Sample ID East Drum

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH-D/O IN SOIL BY SW8015					SW8015C	SW3546 Analyst: TXA
TPH DRO/ORO IN SOIL BY SW8015C						
TPH (Diesel Range)	13.9	10.0		mg/Kg	1	9/4/2025 2:01:00 PM
TPH (Oil Range)	28.4	10.0		mg/Kg	1	9/5/2025 3:13:00 PM
Surr: 4-Terphenyl-d14	62.6	33 - 152		%Rec	1	9/4/2025 2:01:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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Analytical Report

(consolidated)

WO#: 25081132

Date Reported 9/8/2025

CLIENT: H & H Environmental **Collection Date:** 8/26/2025 10:00:00 AM
Project: 5 - Sisters
Lab ID: 25081132-002 **Matrix:** SOLID
Client Sample ID West Drum

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH-D/O IN SOIL BY SW8015				SW8015C	SW3546	Analyst: TXA
TPH DRO/ORO IN SOIL BY SW8015C						
TPH (Diesel Range)	2,070	50.0		mg/Kg	5	9/4/2025 3:10:00 PM
TPH (Oil Range)	441	50.0		mg/Kg	5	9/5/2025 4:51:00 PM
Surr: 4-Terphenyl-d14	58.0	33 - 152		%Rec	5	9/4/2025 3:10:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 25081132

08-Sep-25

Client: H & H Environmental

Project: 5 - Sisters

BatchID: 64340

Sample ID: 25081132-001AMSD	SampType: ms	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: East Drum	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784600						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel Range)
Surr: 4-Terphenyl-d14

278
9.57

19.9
9.940

298.2
9.940

13.92
9.940

88.6
96.3

23.4
33

123
152

Sample ID: 25081132-001AMSD	SampType: msd	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: East Drum	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784601						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel Range)
Surr: 4-Terphenyl-d14

292
10.1

19.9
9.970

299.1
9.970

13.92
9.970

93.0
101

23.4
33

123
152

278.2
0

4.86
0

35.6
40

Sample ID: 25081132-001AMSM	SampType: ms	TestCode: 8015C_DO_S	Units: %Rec	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: East Drum	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784602						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Terphenyl-d14

9.17

10.00

91.7

33

152

Sample ID: 25081132-001AMSD	SampType: msd	TestCode: 8015C_DO_S	Units: %Rec	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: East Drum	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784603						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Terphenyl-d14

9.03

9.980

90.5

33

152

0

40

Qualifiers: H Holding times for preparation or analysis exceeded
RL Reporting Limit
W Sample container temperature is out of limit as specified at testcode

M Matrix Interference
SDL Sample detection limit

ND Not Detected at the Reporting Limit
U Analyte not detected



Element Materials Technology Lafayette
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Lafayette, LA 70508-3344
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Website: www.element.com

QC SUMMARY REPORT

WO#: 25081132

08-Sep-25

Client: H & H Environmental

Project: 5 - Sisters

BatchID: 64340

Sample ID: lcs-d64340	SampType: lcs	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: LCSS	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784606						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel Range)
Surr: 4-Terphenyl-d14

273
10.7

20.0
10.00

300.0
10.00

0
107

90.9
107

63.4
33

109
152

Sample ID: lcsd-d64340	SampType: lcsd	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: LCSS02	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784607						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel Range)
Surr: 4-Terphenyl-d14

288
11.4

20.0
9.980

299.4
9.980

0
114

96.2
114

63.4
33

109
152

272.7
0

5.45
0

21.9
40

Sample ID: lcsd-m64340	SampType: lcsd	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: LCSS02	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Oil Range)
Surr: 4-Terphenyl-d14

200
12.8

20.0
9.990

249.8
9.990

0
128

80.1
128

63.9
33

120
152

172.3
0

15.0
0

20.7
40

Sample ID: lcs-m64340	SampType: lcs	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: LCSS	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784609						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Oil Range)

172

19.9

249.0

0

69.2

63.9

120

Qualifiers:

H Holding times for preparation or analysis exceeded

RL Reporting Limit

W Sample container temperature is out of limit as specified at testcode

M Matrix Interference

SDL Sample detection limit

ND Not Detected at the Reporting Limit

U Analyte not detected



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QC SUMMARY REPORT

WO#: 25081132

08-Sep-25

Client: H & H Environmental

Project: 5 - Sisters

BatchID: 64340

Sample ID: lcs-m64340	SampType: lcs	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: LCSS	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784609						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Terphenyl-d14	11.1		9.960		111	33	152				
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Sample ID: mb-64340	SampType: mblk	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: PBS	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/4/2025	SeqNo: 3784610						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel Range)	< 20.0	20.0									
TPH (Oil Range)	< 20.0	20.0									
Surr: 4-Terphenyl-d14	9.89		9.990		99.0	33	152				

Sample ID: 25081132-001AMSM	SampType: ms	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: East Drum	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/5/2025	SeqNo: 3785987						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Oil Range)	211	20.0	300.0	28.39	60.8	14.5	174				
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Sample ID: 25081132-001AMSD	SampType: msd	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/3/2025	RunNo: 154107						
Client ID: East Drum	Batch ID: 64340	TestNo: SW8015C	SW3546	Analysis Date: 9/5/2025	SeqNo: 3785988						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Oil Range)	232	20.0	299.4	28.39	68.0	14.5	174	210.8	9.58	48.8	
-----------------	-----	------	-------	-------	------	------	-----	-------	------	------	--

Qualifiers:

H	Holding times for preparation or analysis exceeded
RL	Reporting Limit
W	Sample container temperature is out of limit as specified at testcode

M	Matrix Interference
SDL	Sample detection limit

ND	Not Detected at the Reporting Limit
U	Analyte not detected



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
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Website: www.element.com

Sample Log-In Check List

Client Name: **H_H_ENVIRONMENTAL**

Work Order Number: **25081132**

RcptNo: **1**

Logged by: **Martin Lee** **8/26/2025 10:25:00 AM**

Martin Lee

Completed By: **Martin Lee** **8/26/2025 2:11:08 PM**

Martin Lee

Reviewed By: **Kelli Foreman** **8/27/2025 10:01:01 AM**

Kelli Foreman

Chain of Custody

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

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☒ No ☐
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒
No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☒
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C Yes ☐ No ☒ NA ☐

Samples were collected the same day and chilled.

7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

Special Handling (if applicable)

17. 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:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	16.4	Good	Not Present			



Element Materials Technology Lafayette
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September 30, 2025

Ben Harmon
H & H Environmental
203 Concerto Crest
Duson, LA 70529
TEL: (337) 230-6712
FAX

RE: 5- Sisters Rest. W.Drum

Order No.: 25090963

Dear Ben Harmon:

Element Materials Technology Lafayette received 1 sample(s) on 9/19/2025 for the analyses presented in the following report.

In accordance with your instructions, Element Lafayette either conducted or subcontracted these analyses. Subcontracted analyses will be identified in the accompanying case narrative. All relevant sampling information can be found on the attached Chain-of-Custody form. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet the applicable requirements of TNI. Reported results relate only to the items tested.

Where applicable, all soil data, except for 29-B, are reported on a wet-weight basis unless otherwise indicated in the units field as –dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. MNELAP Certification No.: 2414959. LDHH Certification No.: LA023. ISDH Certification No.: C-LA-01. NDELCP Certification No.: R-226. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation. PA registration No.: 68-05967.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

A handwritten signature in black ink that reads 'Lindsay Roussel'.

Lindsay Roussel
Project Manager



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Case Narrative

WO#: 25090963
Date: 9/30/2025

CLIENT: H & H Environmental

Project: 5- Sisters Rest. W.Drum

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



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Analytical Report

(consolidated)

WO#: 25090963

Date Reported: 9/30/2025

CLIENT: H & H Environmental **Collection Date:** 9/19/2025 9:00:00 AM
Project: 5- Sisters Rest. W.Drum
Lab ID: 25090963-001 **Matrix:** SOIL
Client Sample ID 5-Sister W drum(resample)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH-D/O IN SOIL BY SW8015					SW8015C	SW3546 Analyst: TXA
TPH DRO/ORO IN SOIL BY SW8015C						
TPH (Diesel Range)	64.7	20.0		mg/Kg	1	9/29/2025 5:16:00 PM
TPH (Oil Range)	146	20.0		mg/Kg	1	9/29/2025 5:16:00 PM
Surr: 4-Terphenyl-d14	106	33 - 152		%Rec	1	9/29/2025 5:16:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Matrix Interference
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected
	W	Sample container temperature is out of limit as specified at testcode		



Element Materials Technology Lafayette
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QC SUMMARY REPORT

WO#: 25090963

30-Sep-25

Client: H & H Environmental
Project: 5- Sisters Rest. W.Drum

BatchID: 64616

Sample ID	Ics-d64616	SampType:	Ics	TestCode:	8015C_DO_S	Units:	mg/Kg	Prep Date:	9/23/2025	RunNo:	154797			
Client ID:	LCSS	Batch ID:	64616	TestNo:	SW8015C	SW3546		Analysis Date:	9/27/2025	SeqNo:	3803138			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)		236		20.0	300.0	0		78.7	63.4	109				
Surr: 4-Terphenyl-d14		9.05			10.00			90.5	33	152				

Sample ID	lcsd-m64616	SampType:	lcsd	TestCode:	8015C_DO_S	Units:	mg/Kg	Prep Date:	9/23/2025	RunNo:	154797			
Client ID:	LCSS02	Batch ID:	64616	TestNo:	SW8015C	SW3546		Analysis Date:	9/27/2025	SeqNo:	3803140			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)		265		20.0	250.0	0		106	63.9	120	247.0	7.13	20.7	
Surr: 4-Terphenyl-d14		14.6			10.00			146	33	152		0	40	

Sample ID	Ics-m64616	SampType:	Ics	TestCode:	8015C_DO_S	Units:	mg/Kg	Prep Date:	9/23/2025	RunNo:	154797			
Client ID:	LCSS	Batch ID:	64616	TestNo:	SW8015C	SW3546		Analysis Date:	9/27/2025	SeqNo:	3803141			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)		247		20.0	250.0	0		98.8	63.9	120				
Surr: 4-Terphenyl-d14		14.4			10.00			144	33	152				

Sample ID	Icsd-d64616	SampType: Icsd	TestCode: 8015C_DO_S Units: mg/Kg				Prep Date: 9/23/2025			RunNo: 154797		
Client ID:	LCSS02	Batch ID: 64616	TestNo: SW8015C		SW3546		Analysis Date: 9/27/2025			SeqNo: 3803143		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)		326	20.0	300.0	0	109	63.4	109	236.0	32.0	21.9	R

Qualifiers: H Holding times for preparation or analysis exceeded M Matrix Interference ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits RL Reporting Limit S Spike Recovery outside accepted recovery limits
SDL Sample detection limit U Analyte not detected W Sample container temperature is out of limit as sp



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Website: www.element.com

QC SUMMARY REPORT

WO#: 25090963

30-Sep-25

Client: H & H Environmental
Project: 5- Sisters Rest. W.Drum

BatchID: 64616

Sample ID	lcscd-d64616	SampType:	lcscd	TestCode:	8015C_DO_S	Units:	mg/Kg	Prep Date:	9/23/2025	RunNo:	154797			
Client ID:	LCSS02	Batch ID:	64616	TestNo:	SW8015C	SW3546		Analysis Date:	9/27/2025	SeqNo:	3803143			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14		13.6			10.00			136	33	152		0	40	

NOTES:

R - LCS/LCSD RPD above the control limit. Recovery of the analyte was within the acceptance limits in both LCS/LCSD.

Sample ID	mb-64616	SampType:	mbblk	TestCode:	8015C_DO_S	Units:	mg/Kg	Prep Date:	9/23/2025	RunNo:	154797			
Client ID:	PBS	Batch ID:	64616	TestNo:	SW8015C	SW3546		Analysis Date:	9/27/2025	SeqNo:	3803144			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)		< 20.0		20.0										
TPH (Oil Range)		< 20.0		20.0										
Surr: 4-Terphenyl-d14		11.3			10.00			113	33	152				

Sample ID	25090963-001AMSD	SampType: ms	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/23/2025	RunNo: 154797					
Client ID:	5-Sister W drum(res	Batch ID: 64616	TestNo: SW8015C	SW3546	Analysis Date: 9/29/2025	SeqNo: 3803688					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	369	20.0	300.0	64.66	102	23.4	123				
Surr: 4-Terphenyl-d14	14.5		10.00		145	33	152				

Sample ID	25090963-001AMSD	SampType:	msd	TestCode:	8015C_DO_S	Units:	mg/Kg	Prep Date:	9/23/2025	RunNo:	154797		
Client ID:	5-Sister W drum(res	Batch ID:	64616	TestNo:	SW8015C	SW3546		Analysis Date:	9/29/2025	SeqNo:	3803689		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
SDL Sample detection limit

M Matrix Interference
RL Reporting Limit
U Analyte not detected

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 25090963

30-Sep-25

Client: H & H Environmental

Project: 5- Sisters Rest. W.Drum

BatchID: 64616

Sample ID	25090963-001AMSD	SampType: msd	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/23/2025	RunNo: 154797					
Client ID:	5-Sister W drum(res	Batch ID: 64616	TestNo: SW8015C	SW3546	Analysis Date: 9/29/2025	SeqNo: 3803689					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel Range)	377	20.0	300.0	64.66	104	23.4	123	369.5	2.03	35.6	
Surr: 4-Terphenyl-d14	14.0		10.00		140	33	152		0	40	

Sample ID	25090963-001AMSD	SampType: msd	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/23/2025	RunNo: 154797					
Client ID:	5-Sister W drum(res	Batch ID: 64616	TestNo: SW8015C	SW3546	Analysis Date: 9/29/2025	SeqNo: 3803690					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Oil Range)	331	20.0	300.0	145.8	61.9	14.5	174	349.4	5.31	48.8	
Surr: 4-Terphenyl-d14	13.6		10.00		136	33	152		0	40	

Sample ID	25090963-001AMSM	SampType: ms	TestCode: 8015C_DO_S	Units: mg/Kg	Prep Date: 9/23/2025	RunNo: 154797					
Client ID:	5-Sister W drum(res	Batch ID: 64616	TestNo: SW8015C	SW3546	Analysis Date: 9/29/2025	SeqNo: 3803691					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Oil Range)	349	20.0	300.0	145.8	67.9	14.5	174				
Surr: 4-Terphenyl-d14	16.3		10.00		163	33	152				SM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Matrix Interference	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits
	SDL	Sample detection limit	U	Analyte not detected	W	Sample container temperature is out of limit as sp



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Sample Log-In Check List

Client Name: **H_H_ENVIRONMENTAL**

Work Order Number: **25090963**

RcptNo: **1**

Logged by: **Tammy Thibodeaux** **9/19/2025 9:43:00 AM**

Tammy Thibodeaux

Completed By: **Tammy Thibodeaux** **9/19/2025 10:01:38 AM**

Tammy Thibodeaux

Reviewed By: **Lindsay Roussel** **9/29/2025 12:49:20 PM**

Lindsay Roussel

Chain of Custody

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

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☒ No ☐
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒
No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐

Samples were collected the same day and chilled.

7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

Special Handling (if applicable)

17. 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:

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	24.0	Good	Not Present			



element™

Chain of Custody

Laboratory
Number:

25090963

Company
Name:
Contact Name:
Address:

City, State Zip:

Phone
Number:
Fax Number:

E-mail
Address:

Client Information:
Billing Information:
PO Number:
Quote Number:
Required QC Level:
Bill Monthly:
☐ Yes
☐ No

Project Name/Number:
Sampler's Signature:
Shipping Method:
UPS / FedEx / Airborne
DHL / Element / Hand / Mail

Page of
Matrix Code
DW = Drinking Water
WW = Wastewater
GW = Ground Water
AQ = Aqueous
OT = Other
SL = Sludge SOL = Solid
O = Oil SO = Soil
F = Food SW = Swab
NG = Natural Gas
NGL = Natural Gas Liquid
PW = Produced Water
CF = Completion Fluid

Which Regulations Apply:

- ☐ RCRA ☐ Drinking Water
☐ POTW ☐ Distribution
☐ NPDES ☐ Special
☐ USDA/FDA ☐ State
☐ RECAP/RISC ☐ Other

Turn Time

- ☐ Standard
RUSH
☐ 1 Day
☐ 2 Day
☐ Other

(Rush turn times
will incur a
surcharge and
must be pre-
approved by
lab.)

Container

Quantity
Type
P=Plastic,
G=Glass, V=Vial
HCl, HNO₃, H₂SO₄,
NaOH, Na₂S₂O₃

Pres.

TPH-D
TPH-D

Requested Tests

Comments

Sample ID/Description

Collection Information

Date Time Grab / Composite Matrix

S-sisters - W. Drum
(resample)

9-19-25 0900 G S

Relinquished by

Date/Time

Received by

Date/Time

Field Notes:

1

9-19-25 0943

9-19-25 0943

Received at lab on ice? 24.0

2

Yes No Temp: 24.0

3

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

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F 765-378-4109

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LDEQ RECAP TABLE 1
SCREENING OPTION
SCREENING STANDARDS FOR SOIL AND GROUNDWATER

COMPOUND	CAS #	SOIL_SSni (mg/kg)	NOTE	SOIL_SSi (mg/kg)	NOTE	SOIL_SSGW (mg/kg)	NOTE	GW_SS (mg/L)	NOTE
Acenaphthene	83-32-9	3.7E+02	N	6.1E+03	N	2.2E+02	A	3.7E-02	N
Acenaphthylene	208-96-8	3.5E+02	N	5.1E+03	N	8.8E+01	A	1.0E-01	Q
Acetone	67-64-1	1.7E+02	N	1.4E+03	N	1.5E+00	A	1.0E-01	Q
Aldrin	309-00-2	2.8E-02	C	1.3E-01	C	1.1E+01	A	1.9E-03	Q
Aniline	62-53-3	2.4E+00	N	1.7E+01	N	6.5E-02	A	1.2E-02	C
Anthracene	120-12-7	2.2E+03	N	4.8E+04	N	1.2E+02	A	4.3E-02	W
Antimony	7440-36-0	3.1E+00	N	8.2E+01	N	1.2E+01	L1	6.0E-03	MCL
Arsenic	7440-38-2	1.2E+01	D	1.2E+01	D	1.0E+02	L	1.0E-02	MCL
Barium	7440-39-3	5.5E+02	N	1.4E+04	N	2.0E+03	L	2.0E+00	MCL
Benzene	71-43-2	1.5E+00	C	3.1E+00	C	5.1E-02	A	5.0E-03	MCL
Benz(a)anthracene	56-55-3	6.2E-01	C	2.9E+00	C	3.3E+02	A	7.8E-03	Q
Benzo(a)pyrene	50-32-8	3.3E-01	Q	3.3E-01	Q	2.3E+01	A	2.0E-04	MCL
Benzo(b)fluoranthene	205-99-2	6.2E-01	C	2.9E+00	C	2.2E+02	A	4.8E-03	Q
Benzo(k)fluoranthene	207-08-9	6.2E+00	C	2.9E+01	C	1.2E+02	A	2.5E-03	Q
Beryllium	7440-41-7	1.6E+01	N	4.1E+02	N	8.0E+00	L1	4.0E-03	MCL
Biphenyl, 1,1-	92-52-4	2.3E+02	P	2.3E+02	P	1.9E+02	A	3.0E-02	N
Bis(2-chloroethyl)ether	111-44-4	3.3E-01	Q	1.1E+00	C	3.3E-01	Q	5.7E-03	Q
Bis(2-chloroisopropyl)ether	108-60-1	4.9E+00	C	1.7E+01	C	8.0E-01	Q	5.7E-03	Q
Bis(2-ethyl-hexyl)phthalate	117-81-7	3.5E+01	C	1.7E+02	C	7.9E+01	A	6.0E-03	MCL
Bromodichloromethane	75-27-4	1.8E+00	C	4.2E+00	C	9.2E-01	A	1.0E-01	MCL
Bromoform	75-25-2	4.8E+01	C	1.8E+02	C	1.8E+00	A	1.0E-01	MCL
Bromomethane	74-83-9	4.3E-01	N	3.0E+00	N	4.0E-02	A	1.0E-02	Q
Butyl benzyl phthalate	85-68-7	2.2E+02	P	2.2E+02	P	2.2E+02	P	7.3E-01	N
Cadmium	7440-43-9	3.9E+00	N	1.0E+02	N	2.0E+01	L	5.0E-03	MCL
Carbon Disulfide	75-15-0	3.6E+01	N	2.5E+02	N	1.1E+01	A	1.0E-01	N
Carbon Tetrachloride	56-23-5	1.8E-01	N	1.1E+00	C	1.1E-01	A	5.0E-03	MCL
Chlordane	57-74-9	1.6E+00	C	1.0E+01	C	1.2E+01	A	2.0E-03	MCL
Chloroaniline,p-	106-47-8	1.6E+01	N	1.7E+02	N	1.5E+00	A	2.0E-02	Q
Chlorobenzene	108-90-7	1.7E+01	N	1.2E+02	N	3.0E+00	A	1.0E-01	MCL
Chlorodibromomethane	124-48-1	2.2E+00	C	5.4E+00	C	1.0E+00	A	1.0E-01	MCL
Chloroethane (Ethylchloride)	75-00-3	4.1E+00	C	8.2E+00	C	3.5E-02	A	1.0E-02	Q
Chloroform	67-66-3	4.4E-02	N	3.0E-01	N	9.0E-01	A	1.0E-01	MCL
Chloromethane	74-87-3	3.5E+00	C	7.3E+00	C	1.0E-01	Q	1.0E-02	Q
Chloronaphthalene,2-	91-58-7	5.0E+02	N	8.3E+03	N	5.0E+02	A	4.9E-02	N
Chlorophenol,2-	95-57-8	1.5E+01	N	1.4E+02	N	1.4E+00	A	1.0E-02	Q
Chromium(III)	16065-83-1	1.2E+04	N	3.1E+05	N	1.0E+02	L	1.0E-01	MCL

NOTE: See end of Table for designation of letter symbols

LDEQ RECAP TABLE 1
SCREENING OPTION
SCREENING STANDARDS FOR SOIL AND GROUNDWATER

COMPOUND	CAS #	SOIL_SSni (mg/kg)	NOTE	SOIL_SSi (mg/kg)	NOTE	SOIL_SSGW (mg/kg)	NOTE	GW_SS (mg/L)	NOTE
Chromium(VI)	18540-29-97	2.3E+01	N	6.1E+02	N	1.0E+02	L	1.0E-01	MCL
Chrysene	218-01-9	6.2E+01	C	2.9E+02	C	7.6E+01	A	1.6E-03	W
Cobalt	7440-48-4	4.7E+02	N	1.2E+04	N	4.4E+03	L1	2.2E-01	N
Copper	7440-50-8	3.1E+02	N	8.2E+03	N	1.5E+03	S	1.3E+00	MCL
Cyanide (free)	57-12-5	1.5E+02	N	3.6E+03	N	4.0E+02	L1	2.0E-01	MCL
DDD	72-54-8	2.4E+00	C	1.6E+01	C	1.5E+00	A	2.8E-04	C
DDE	72-55-9	1.7E+00	C	1.1E+01	C	2.0E+00	A	2.0E-04	C
DDT	50-29-3	1.7E+00	C	1.2E+01	C	2.4E+01	A	3.0E-04	Q
Dibenz(a,h)anthracene	53-70-3	3.3E-01	Q	3.3E-01	Q	5.4E+02	A	2.5E-03	Q
Dibenzofuran	132-64-9	2.9E+01	N	1.5E+02	P	2.4E+01	A	1.0E-02	Q
Dibromo-3-chloropropane, 1,2-	96-12-8	1.8E-01	N	1.6E+00	N	1.0E-02	Q	2.0E-04	MCL
Dichlorobenzene, 1,2-	95-50-1	9.9E+01	N	3.8E+02	P	2.9E+01	A	6.0E-01	MCL
Dichlorobenzene, 1,3-	541-73-1	2.1E+00	N	1.8E+01	N	2.1E+00	A	1.0E-02	Q
Dichlorobenzene, 1,4-	106-46-7	6.7E+00	C	1.6E+01	C	5.7E+00	A	7.5E-02	MCL
Dichlorobenzidine, 3,3'-	91-94-1	9.7E-01	C	4.2E+00	C	1.8E+00	A	2.0E-02	Q
Dichloroethane, 1,1-	75-34-3	6.6E+01	N	4.7E+02	N	7.5E+00	A	8.1E-02	N
Dichloroethane, 1,2-	107-06-2	8.2E-01	C	1.8E+00	C	3.5E-02	A	5.0E-03	MCL
Dichloroethene, 1,1-	75-35-4	1.3E+01	N	9.1E+01	N	8.5E-02	A	7.0E-03	MCL
Dichloroethene, cis, 1,2-	156-59-2	4.8E+00	N	3.4E+01	N	4.9E-01	A	7.0E-02	MCL
Dichloroethene, trans, 1,2-	156-60-5	6.9E+00	N	4.8E+01	N	7.7E-01	A	1.0E-01	MCL
Dichlorophenol, 2,4-	120-83-2	1.6E+01	N	2.0E+02	N	1.2E+01	A	1.1E-02	N
Dichloropropane, 1,2-	78-87-5	6.9E-01	N	1.8E+00	C	4.2E-02	A	5.0E-03	MCL
Dichloropropene, 1,3-	542-75-6	3.1E+00	C	1.0E+01	C	4.0E-02	A	5.0E-03	Q
Dieldrin	60-57-1	3.0E-02	C	1.5E-01	C	7.6E+00	A	2.5E-03	Q
Diethylphthalate	84-66-2	6.7E+02	P	6.7E+02	P	3.6E+02	A	2.9E+00	N
Dimethylphenol, 2,4-	105-67-9	9.3E+01	N	1.1E+03	N	2.0E+01	A	7.3E-02	N
Dimethylphthalate	131-11-3	1.5E+03	P	1.5E+03	P	1.5E+03	P	3.7E+01	N
Di-n-octylphthalate	117-84-0	2.4E+02	N	3.5E+03	N	1.0E+04	P	2.0E-02	W
Dinitrobenzene, 1,3-	99-65-0	4.5E-01	N	5.0E+00	N	2.5E-01	Q	1.0E-02	Q
Dinitrophenol, 2,4-	51-28-5	7.1E+00	N	6.9E+01	N	1.7E+00	Q	5.0E-02	Q
Dinitrotoluene, 2,6-	606-20-2	4.3E+00	N	4.6E+01	N	3.9E-01	A	1.0E-02	Q
Dinitrotoluene, 2,4-	121-14-2	8.9E+00	N	9.8E+01	N	1.0E+00	A	1.0E-02	Q
Dinoseb	88-85-7	4.7E+00	N	5.4E+01	N	1.4E-01	Q	7.0E-03	MCL
Endosulfan	115-29-7	3.4E+01	N	4.5E+02	N	5.4E+01	A	2.2E-02	N
Endrin	72-20-8	1.8E+00	N	2.5E+01	N	2.6E+00	A	2.0E-03	MCL
Ethyl benzene	100-41-4	1.6E+02	N	2.3E+02	P	1.9E+01	A	7.0E-01	MCL

NOTE: See end of Table for designation of letter symbols

LDEQ RECAP TABLE 1
SCREENING OPTION
SCREENING STANDARDS FOR SOIL AND GROUNDWATER

COMPOUND	CAS #	SOIL_SSni (mg/kg)	NOTE	SOIL_SSi (mg/kg)	NOTE	SOIL_SSGW (mg/kg)	NOTE	GW_SS (mg/L)	NOTE
Fluoranthene	206-44-0	2.2E+02	N	2.9E+03	N	1.2E+03	A	1.5E-01	N
Fluorene	86-73-7	2.8E+02	N	5.4E+03	N	2.3E+02	A	2.4E-02	N
Heptachlor	76-44-8	1.6E-02	C	3.5E-02	C	5.0E-01	A	4.0E-04	MCL
Heptachlor epoxide	1024-57-3	5.3E-02	C	2.6E-01	C	2.0E+00	A	2.0E-04	MCL
Hexachlorobenzene	118-74-1	3.4E-01	C	2.0E+00	C	9.6E+00	A	1.0E-03	MCL
Hexachlorobutadiene	87-68-3	8.2E-01	N	8.6E+00	N	5.5E+00	A	7.3E-04	N
Hexachlorocyclohexane, alpha	319-84-6	8.2E-02	C	4.4E-01	C	6.4E-03	A	3.0E-05	Q
Hexachlorocyclohexane, beta	319-85-7	2.9E-01	C	1.6E+00	C	1.6E-02	A	6.0E-05	Q
Hexachlorocyclohexane, gamma	58-89-9	3.9E-01	C	2.0E+00	C	3.3E-02	A	2.0E-04	MCL
Hexachlorocyclopentadiene	77-47-4	1.4E+00	N	9.4E+00	N	1.2E+03	A	5.0E-02	MCL
Hexachloroethane	67-72-1	5.2E+00	N	6.8E+01	N	2.2E+00	A	1.0E-02	Q
Indeno(1,2,3-cd)pyrene	193-39-5	6.2E-01	C	2.9E+00	C	9.2E+00	A	3.7E-03	Q
Isobutyl alcohol	78-83-1	7.3E+02	N	6.2E+03	N	3.0E+01	A	1.1E+00	N
Isophorone	78-59-1	3.4E+02	C	1.1E+03	C	5.6E-01	A	7.0E-02	C
Lead (inorganic)	7439-92-1	4.0E+02	B	1.4E+03	B	1.0E+02	L	1.5E-02	MCL
Mercury (inorganic)	7487-94-7	2.3E+00	N	6.1E+01	N	4.0E+00	L	2.0E-03	MCL
Methoxychlor	72-43-5	3.0E+01	N	4.3E+02	N	3.8E+02	A	4.0E-02	MCL
Methylene chloride	75-09-2	1.9E+01	C	4.4E+01	C	1.7E-02	A	5.0E-03	MCL
Methyl ethyl ketone	78-93-3	5.9E+02	N	4.4E+03	N	5.0E+00	A	1.9E-01	N
Methyl isobutyl ketone	108-10-1	4.5E+02	N	3.1E+03	P	6.4E+00	A	2.0E-01	N
Methylnaphthalene, 2-	91-57-6	2.2E+01	N	1.7E+02	N	1.7E+00	A	6.2E-04	N
MTBE (methyl tert-butyl ether)	1634-04-4	6.5E+02	N	4.7E+03	N	7.7E-02	A	2.0E-02	T/O
Naphthalene	91-20-3	6.2E+00	N	4.3E+01	N	1.5E+00	A	1.0E-02	Q
Nickel	7440-02-0	1.6E+02	N	4.1E+03	N	1.5E+03	L1	7.3E-02	N
Nitrate	14797-55-8	1.3E+04	N	3.3E+05	N	2.0E+04	L1	1.0E+01	MCL
Nitrite	14797-65-0	7.8E+02	N	2.0E+04	N	2.0E+03	L1	1.0E+00	MCL
Nitroaniline, 2-	88-74-4	1.7E+00	Q	1.7E+00	Q	1.7E+00	Q	5.0E-02	Q
Nitroaniline, 3-	99-09-2	1.3E+01	N	1.4E+02	N	1.7E+00	Q	5.0E-02	Q
Nitroaniline, 4-	100-01-6	1.0E+01	N	1.0E+02	N	1.7E+00	Q	5.0E-02	Q
Nitrobenzene	98-95-3	2.2E+00	N	2.5E+01	N	3.3E-01	Q	1.9E-03	Q
Nitrophenol, 4-	100-02-7	3.2E+01	N	3.3E+02	N	2.6E+00	A	5.0E-02	Q
Nitrosodi-n-propylamine, n-	621-64-7	3.3E-01	Q	3.3E-01	Q	3.3E-01	Q	1.0E-02	Q
N-nitrosodiphenylamine	86-30-6	9.0E+01	C	4.0E+02	C	2.1E+00	A	1.4E-02	C
Pentachlorophenol	87-86-5	2.8E+00	C	9.7E+00	C	1.7E+00	Q	1.0E-03	MCL
Phenanthrene	85-01-8	2.1E+03	N	4.3E+04	N	6.6E+02	A	1.8E-01	N
Phenol	108-95-2	1.3E+03	N	1.5E+04	N	1.1E+01	A	1.8E-01	N

NOTE: See end of Table for designation of letter symbols

LDEQ RECAP TABLE 1
SCREENING OPTION
SCREENING STANDARDS FOR SOIL AND GROUNDWATER

COMPOUND	CAS #	SOIL_SSnI (mg/kg)	NOTE	SOIL_SSi (mg/kg)	NOTE	SOIL_SSGW (mg/kg)	NOTE	GW_SS (mg/L)	NOTE
Polychlorinated biphenyls	1336-36-3	1.1E-01	N	9.0E-01	C	1.9E+01	A	5.0E-04	MCL
Pyrene	129-00-0	2.3E+02	N	5.6E+03	N	1.1E+03	A	1.8E-02	N
Selenium	7782-49-2	3.9E+01	N	1.0E+03	N	2.0E+01	L	5.0E-02	MCL
Silver	7440-22-4	3.9E+01	N	1.0E+03	N	1.0E+02	L	1.8E-02	N
Styrene	100-42-5	5.0E+02	N	1.7E+03	P	1.1E+01	A	1.0E-01	MCL
Tetrachlorobenzene,1,2,4,5-	95-94-3	1.2E+00	N	1.2E+01	N	6.9E+00	A	1.1E-03	N
Tetrachloroethane,1,1,1,2-	630-20-6	2.7E+00	C	5.9E+00	C	4.6E-02	A	5.0E-03	Q
Tetrachloroethane,1,1,2,2-	79-34-5	8.1E-01	C	2.0E+00	C	6.0E-03	A	5.0E-04	Q
Tetrachloroethylene	127-18-4	8.3E+00	C	3.5E+01	C	1.8E-01	A	5.0E-03	MCL
Tetrachlorophenol,2,3,4,6-	58-90-2	1.4E+02	N	1.4E+03	P	3.1E+01	A	1.1E-01	N
Thallium	7440-28-0	5.5E-01	N	1.4E+01	N	4.0E+00	L1	2.0E-03	MCL
Toluene	108-88-3	6.8E+01	N	4.7E+02	N	2.0E+01	A	1.0E+00	MCL
Toxaphene	8001-35-2	4.4E-01	C	2.2E+00	C	3.4E+01	A	3.0E-03	MCL
Trichlorobenzene,1,2,4-	120-82-1	6.6E+01	N	1.2E+03	N	1.4E+01	A	7.0E-02	MCL
Trichloroethane,1,1,1-	71-55-6	8.2E+01	N	7.0E+02	N	4.0E+00	A	2.0E-01	MCL
Trichloroethane,1,1,2-	79-00-5	1.9E+00	C	4.3E+00	C	5.8E-02	A	5.0E-03	MCL
Trichloroethene	79-01-6	1.0E-01	C	2.1E-01	C	7.3E-02	A	5.0E-03	MCL
Trichlorofluoromethane	75-69-4	3.8E+01	N	2.6E+02	N	3.7E+01	A	1.3E-01	N
Trichlorophenol,2,4,5-	95-95-4	5.3E+02	N	6.6E+03	N	3.2E+02	A	3.7E-01	N
Trichlorophenol,2,4,6-	88-06-2	4.0E+01	C	1.7E+02	C	1.3E+00	A	1.0E-02	Q
Vanadium	7440-62-2	5.5E+01	N	1.4E+03	N	5.2E+02	L1	2.6E-02	N
Vinyl chloride	75-01-4	2.4E-01	C	7.9E-01	C	1.3E-02	A	2.0E-03	MCL
Xylene(mixed)	1330-20-7	1.8E+01	N	1.2E+02	N	1.5E+02	P	1.0E+01	MCL
Zinc	7440-66-6	2.3E+03	N	6.1E+04	N	2.8E+03	S	1.1E+00	N
Aliphatics C6-C8	NA	1.2E+03	N	8.0E+03	N	1.0E+04	O,T	3.2E+00	N
Aliphatics >C8-C10	NA	1.2E+02	N	8.8E+02	N	5.3E+03	A	1.5E-01	Q
Aliphatics >C10-C12	NA	2.3E+02	N	2.0E+03	N	1.0E+04	O,T	1.5E-01	Q
Aliphatics >C12-C16	NA	3.7E+02	N	3.8E+03	N	1.0E+04	O,T	1.5E-01	Q
Aliphatics >C16-C35	NA	7.1E+03	N	1.0E+04	O,T	1.0E+04	O,T	7.3E+00	N
Aromatics >C8-C10	NA	6.5E+01	N	5.1E+02	N	6.5E+01	A	1.5E-01	Q
Aromatics >C10-C12	NA	1.2E+02	N	1.1E+03	N	1.0E+02	A	1.5E-01	Q
Aromatics >C12-C16	NA	1.8E+02	N	2.1E+03	N	2.0E+02	A	1.5E-01	Q
Aromatics >C16-C21	NA	1.5E+02	N	1.7E+03	N	2.1E+03	A	1.5E-01	Q
Aromatics >C21-C35	NA	1.8E+02	N	2.5E+03	N	1.0E+04	O,T	1.5E-01	Q

NOTE: See end of Table for designation of letter symbols

LDEQ RECAP TABLE 1
SCREENING OPTION
SCREENING STANDARDS FOR SOIL AND GROUNDWATER

		SOIL_SSni		SOIL_SSi		SOIL_SSGW		GW_SS	
COMPOUND	CAS #	(mg/kg)	NOTE	(mg/kg)	NOTE	(mg/kg)	NOTE	(mg/L)	NOTE
TPH-GRO	NA	6.5E+01	N,I	5.1E+02	N,I	6.5E+01	A	1.5E-01	Q
TPH-DRO	NA	6.5E+01	N,I	5.1E+02	N,I	6.5E+01	A	1.5E-01	Q
TPH-ORO	NA	1.8E+02	N,I	2.5E+03	N,I	1.0E+04	O,T	1.5E-01	Q
A - Based on algorithm contained in Appendix H									
B - Based on EPA's biokinetic and adult lead cleanup level models for lead									
C - Based on carcinogenic health effects									
D - DEQ established background level plus one standard deviation = 11.5									
I - TPH Standards are only applicable when used in conjunction with Standards for indicator compounds									
L - Soil level protective of groundwater for inorganic constituents based on leachability									
L1 - Soil level protective of groundwater for inorganic constituents based on GW 1 because TCLP value not listed									
M - Based on EPA's Maximum Contaminant Level (MCL) for drinking water									
N - Based on non-carcinogenic health effects									
O - Ceiling value based on aesthetic considerations									
P - Soil Saturation Limit is less than health based level thus default to soil saturation limit									
Q - Based on analytical quantitation limit									
S - Soil level protective of groundwater for inorganic constituents based on the maximum concentration for the beneficial use of sewage sludge									
T - TPH shall not exceed 10,000									
W - Solubility limit is less than health based limit thus default to solubility limit									
T/O - EPA taste/odor advisory value									

NOTE: See end of Table for designation of letter symbols