

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Desert Eagle

JOB NUMBER

280-182262-1

Eurofins Denver

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Definitions/Glossary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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

Eurofins Denver

Definitions/Glossary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

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Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Twin Landfill Corporation
Project/Site: Desert Eagle

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Laboratory: Eurofins Denver

Narrative

CASE NARRATIVE

Client: Twin Landfill Corporation

Project: Desert Eagle

Report Number: 280-182262-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Receipt

The samples were received on 10/3/2023 11:30 AM. 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 was 15.3° C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 14 Baseline (280-182262-4). The container labels list 1-14 Base, while the COC lists 14 Baseline. Logged per the COC.

The following samples were received at the laboratory outside the required temperature criteria: 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with SW 846 8260D. The samples were analyzed on 10/10/2023 and 10/11/2023.

Internal standard responses were outside of acceptance limits for the following sample: 14 Baseline (280-182262-4). The sample's matrix is suspected to have interfered with ISTD recoveries. (lots of roots/dry grass) It has been re-extracted and re-analyzed with similar results. Therefore, qualified results will be reported.

1,2-Dichloroethane-d4 (Surr) and Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for 14 Baseline (280-182262-4). Refer to the QC report for details.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS SIM)

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Semivolatile Organic Compounds (GC/MS SIM) in accordance with SW846 8270E_SIM. The samples were prepared on

Case Narrative

Client: Twin Landfill Corporation
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Laboratory: Eurofins Denver (Continued)

10/16/2023 and analyzed on 10/18/2023.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 280-628595, therefore a LCS/LCSD was performed in the place of the MS/MSD

Due to the matrix being rocky and Non-homogenous, an initial volume of seven and a half grams instead of fifteen grams was used for the following samples in preparation batch 280-629462, which deviated from the standard procedure in order to prevent venting and microwave equipment damage: 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5). The reporting limits (RLs) have been adjusted proportionately.

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

GASOLINE RANGE ORGANICS (GRO)

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Gasoline Range Organics (GRO) in accordance with EPA SW-846 Method 8015D - GRO. The samples were analyzed on 10/07/2023.

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

DIESEL RANGE ORGANICS (DRO)

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Diesel Range Organics in accordance with EPA SW-846 Method 8015D - DRO. The samples were prepared on 10/05/2023 and analyzed on 10/10/2023.

Due to the matrix being rocky and non-homogenous, an initial volume of seven and a half grams instead of fifteen grams was used for the following samples in preparation batch 280-628595 :35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5). This deviated from the standard procedure in order to prevent venting and microwave equipment damage. The reporting limits (RLs) have been adjusted proportionately.

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

SODIUM ADSORPTION RATIO

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Sodium Adsorption Ratio in accordance with 29B_SAR. The samples were prepared on 10/16/2023 and analyzed on 10/18/2023.

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

METALS (ICP)

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Metals (ICP) in accordance with SW 846 6010D. The samples were prepared on 10/18/2023 and analyzed on 10/19/2023.

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

METALS (ICP/MS)

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Metals (ICP/MS) in accordance with SW 846 6020B. The samples were prepared on 10/18/2023 and analyzed on 10/19/2023.

The post digestion spike % recovery for Ag associated with batch 280-630384 was outside of control limits. The associated sample is: (280-182262-A-1-D PDS).

Chromium and Lead were detected in method blank MB 280-629930/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the

Case Narrative

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Laboratory: Eurofins Denver (Continued)

MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample 35-08MS (280-182262-1) in batch 280-630466.

Several analytes failed the recovery criteria low for the MSD of sample 35-08MSD (280-182262-1) in batch 280-630466.

Samples 35-08 (280-182262-1)[10X], 1-14 (280-182262-2)[10X], 1-16 (280-182262-3)[10X], 14 Baseline (280-182262-4)[10X] and 14 Wet (280-182262-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

ELECTRICAL CONDUCTIVITY

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for Electrical Conductivity in accordance with 29B_EC. The samples were prepared and analyzed on 10/13/2023.

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

PH

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for pH in accordance with 29B_pH. The samples were prepared and analyzed on 10/13/2023.

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

HEXAVALENT CHROMIUM

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 10/09/2023 and analyzed on 10/16/2023.

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

PERCENT SOLIDS

Samples 35-08 (280-182262-1), 1-14 (280-182262-2), 1-16 (280-182262-3), 14 Baseline (280-182262-4) and 14 Wet (280-182262-5) were analyzed for percent solids in accordance with ASTM D2216-90. The samples were analyzed on 10/10/2023.

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

Detection Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 35-08

Lab Sample ID: 280-182262-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	3.4	J	10	1.8	ug/Kg	1	✱	8270E SIM	Total/NA
Benzo[a]pyrene	5.6	J	10	1.5	ug/Kg	1	✱	8270E SIM	Total/NA
Benzo[b]fluoranthene	6.6	J	10	2.5	ug/Kg	1	✱	8270E SIM	Total/NA
Benzo[g,h,i]perylene	17		10	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
Chrysene	6.6	J	10	2.0	ug/Kg	1	✱	8270E SIM	Total/NA
Fluoranthene	4.6	J	10	2.0	ug/Kg	1	✱	8270E SIM	Total/NA
Fluorene	2.2	J	10	0.96	ug/Kg	1	✱	8270E SIM	Total/NA
2-Methylnaphthalene	16		10	0.63	ug/Kg	1	✱	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	3.4	J	10	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
Naphthalene	8.6	J	10	0.67	ug/Kg	1	✱	8270E SIM	Total/NA
Pyrene	9.3	J	10	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
1-Methylnaphthalene	11		10	0.53	ug/Kg	1	✱	8270E SIM	Total/NA
DRO (C10-C28)	16	J	17	7.6	mg/Kg	1	✱	8015D	Total/NA
ORO (C20-C38)	46	J	50	16	mg/Kg	1	✱	8015D	Total/NA
Sodium Adsorption Ratio	17		0.10	0.10	NONE	1		29B SAR	Soluble
Boron	15		8.0	0.72	mg/Kg	1	✱	6010D	Total/NA
Silver	46	J	89	4.8	ug/Kg	1	✱	6020B	Total/NA
Arsenic	3800		540	45	ug/Kg	1	✱	6020B	Total/NA
Barium	250000		360	65	ug/Kg	1	✱	6020B	Total/NA
Cadmium	100		89	18	ug/Kg	1	✱	6020B	Total/NA
Chromium	16000	F1 B	540	86	ug/Kg	1	✱	6020B	Total/NA
Copper	7900	F1	540	180	ug/Kg	1	✱	6020B	Total/NA
Nickel	14000	F1	5400	1500	ug/Kg	10	✱	6020B	Total/NA
Lead	8600	F1 B	360	34	ug/Kg	1	✱	6020B	Total/NA
Selenium	200	J	450	31	ug/Kg	1	✱	6020B	Total/NA
Zinc	38000	F1	1800	610	ug/Kg	1	✱	6020B	Total/NA
Specific Conductance	7400		10	10	umho/cm	1		29B_EC	Total/NA
Electrical Conductivity	7400		10	10	umho/cm	1		29B_EC	Total/NA
pH	12	HF	0.10	0.10	S.U.	1		29B_pH	Total/NA
Temperature	22	HF	0.10	0.10	Deg. C	1		29B_pH	Total/NA
Cr (VI)	0.61		0.42	0.13	mg/Kg	1	✱	7196A	Total/NA

Client Sample ID: 1-14

Lab Sample ID: 280-182262-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	2.4	J	10	1.9	ug/Kg	1	✱	8270E SIM	Total/NA
Benzo[g,h,i]perylene	9.8	J	10	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
Chrysene	3.7	J	10	2.1	ug/Kg	1	✱	8270E SIM	Total/NA
Fluoranthene	3.8	J	10	2.1	ug/Kg	1	✱	8270E SIM	Total/NA
Fluorene	1.2	J	10	0.98	ug/Kg	1	✱	8270E SIM	Total/NA
2-Methylnaphthalene	4.4	J	10	0.64	ug/Kg	1	✱	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	2.4	J	10	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
Naphthalene	4.6	J	10	0.68	ug/Kg	1	✱	8270E SIM	Total/NA
Pyrene	6.4	J	10	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
1-Methylnaphthalene	3.8	J	10	0.54	ug/Kg	1	✱	8270E SIM	Total/NA
DRO (C10-C28)	32		17	7.6	mg/Kg	1	✱	8015D	Total/NA
ORO (C20-C38)	96		50	16	mg/Kg	1	✱	8015D	Total/NA
Sodium Adsorption Ratio	15		0.10	0.10	NONE	1		29B SAR	Soluble
Boron	11		8.2	0.74	mg/Kg	1	✱	6010D	Total/NA
Silver	270		82	4.4	ug/Kg	1	✱	6020B	Total/NA
Arsenic	15000		490	42	ug/Kg	1	✱	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 1-14 (Continued)

Lab Sample ID: 280-182262-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	270000		330	59	ug/Kg	1	✱	6020B	Total/NA
Cadmium	110		82	17	ug/Kg	1	✱	6020B	Total/NA
Chromium	8700	B	490	79	ug/Kg	1	✱	6020B	Total/NA
Copper	24000		490	160	ug/Kg	1	✱	6020B	Total/NA
Nickel	11000		4900	1400	ug/Kg	10	✱	6020B	Total/NA
Lead	13000	B	330	32	ug/Kg	1	✱	6020B	Total/NA
Selenium	430		410	29	ug/Kg	1	✱	6020B	Total/NA
Zinc	30000		1600	570	ug/Kg	1	✱	6020B	Total/NA
Specific Conductance	9800		10	10	umho/cm	1		29B_EC	Total/NA
Electrical Conductivity	9800		10	10	umho/cm	1		29B_EC	Total/NA
pH	8.2	HF	0.10	0.10	S.U.	1		29B_pH	Total/NA
Temperature	22	HF	0.10	0.10	Deg. C	1		29B_pH	Total/NA
Cr (VI)	1.0		0.42	0.13	mg/Kg	1	✱	7196A	Total/NA

Client Sample ID: 1-16

Lab Sample ID: 280-182262-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	25		11	1.5	ug/Kg	1	✱	8270E SIM	Total/NA
Chrysene	2.4	J	11	2.1	ug/Kg	1	✱	8270E SIM	Total/NA
Fluoranthene	4.1	J	11	2.1	ug/Kg	1	✱	8270E SIM	Total/NA
Fluorene	1.8	J	11	1.0	ug/Kg	1	✱	8270E SIM	Total/NA
2-Methylnaphthalene	4.5	J	11	0.66	ug/Kg	1	✱	8270E SIM	Total/NA
Naphthalene	6.5	J	11	0.69	ug/Kg	1	✱	8270E SIM	Total/NA
Pyrene	3.0	J	11	2.3	ug/Kg	1	✱	8270E SIM	Total/NA
1-Methylnaphthalene	2.6	J	11	0.55	ug/Kg	1	✱	8270E SIM	Total/NA
DRO (C10-C28)	43		17	7.9	mg/Kg	1	✱	8015D	Total/NA
ORO (C20-C38)	97		52	17	mg/Kg	1	✱	8015D	Total/NA
Sodium Adsorption Ratio	5.2		0.10	0.10	NONE	1		29B SAR	Soluble
Boron	10		7.7	0.69	mg/Kg	1	✱	6010D	Total/NA
Silver	30	J	77	4.1	ug/Kg	1	✱	6020B	Total/NA
Arsenic	4800		460	39	ug/Kg	1	✱	6020B	Total/NA
Barium	190000		310	55	ug/Kg	1	✱	6020B	Total/NA
Cadmium	200		77	16	ug/Kg	1	✱	6020B	Total/NA
Chromium	12000	B	460	74	ug/Kg	1	✱	6020B	Total/NA
Copper	9000		460	150	ug/Kg	1	✱	6020B	Total/NA
Nickel	9900		4600	1300	ug/Kg	10	✱	6020B	Total/NA
Lead	7500	B	310	30	ug/Kg	1	✱	6020B	Total/NA
Selenium	350	J	380	27	ug/Kg	1	✱	6020B	Total/NA
Zinc	29000		1500	530	ug/Kg	1	✱	6020B	Total/NA
Specific Conductance	9300		10	10	umho/cm	1		29B_EC	Total/NA
Electrical Conductivity	9300		10	10	umho/cm	1		29B_EC	Total/NA
pH	7.7	HF	0.10	0.10	S.U.	1		29B_pH	Total/NA
Temperature	22	HF	0.10	0.10	Deg. C	1		29B_pH	Total/NA
Cr (VI)	1.2		0.44	0.13	mg/Kg	1	✱	7196A	Total/NA

Client Sample ID: 14 Baseline

Lab Sample ID: 280-182262-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (C6-C10)	1.3	J	2.0	0.76	mg/Kg	1	✱	8015D	Total/NA
DRO (C10-C28)	27		16	7.5	mg/Kg	1	✱	8015D	Total/NA
ORO (C20-C38)	89		49	16	mg/Kg	1	✱	8015D	Total/NA
Sodium Adsorption Ratio	1.1		0.10	0.10	NONE	1		29B SAR	Soluble

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 14 Baseline (Continued)

Lab Sample ID: 280-182262-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Boron	9.0		7.7	0.69	mg/Kg	1		✱	6010D	Total/NA
Silver	54	J	77	4.2	ug/Kg	1		✱	6020B	Total/NA
Arsenic	5700		460	39	ug/Kg	1		✱	6020B	Total/NA
Barium	170000		310	56	ug/Kg	1		✱	6020B	Total/NA
Cadmium	320		77	16	ug/Kg	1		✱	6020B	Total/NA
Chromium	19000	B	460	74	ug/Kg	1		✱	6020B	Total/NA
Copper	14000		460	150	ug/Kg	1		✱	6020B	Total/NA
Nickel	15000		4600	1300	ug/Kg	10		✱	6020B	Total/NA
Lead	14000	B	310	30	ug/Kg	1		✱	6020B	Total/NA
Selenium	350	J	390	27	ug/Kg	1		✱	6020B	Total/NA
Zinc	53000		1500	530	ug/Kg	1		✱	6020B	Total/NA
Specific Conductance	1900		10	10	umho/cm	1			29B_EC	Total/NA
Electrical Conductivity	1900		10	10	umho/cm	1			29B_EC	Total/NA
pH	7.3	HF	0.10	0.10	S.U.	1			29B_pH	Total/NA
Temperature	22	HF	0.10	0.10	Deg. C	1			29B_pH	Total/NA

Client Sample ID: 14 Wet

Lab Sample ID: 280-182262-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Anthracene	3.2	J	9.9	1.4	ug/Kg	1		✱	8270E SIM	Total/NA
Naphthalene	0.84	J	9.9	0.64	ug/Kg	1		✱	8270E SIM	Total/NA
1-Methylnaphthalene	2.8	J	9.9	0.51	ug/Kg	1		✱	8270E SIM	Total/NA
DRO (C10-C28)	75		17	7.5	mg/Kg	1		✱	8015D	Total/NA
ORO (C20-C38)	190		50	16	mg/Kg	1		✱	8015D	Total/NA
Sodium Adsorption Ratio	3.5		0.10	0.10	NONE	1			29B SAR	Soluble
Boron	12		9.3	0.84	mg/Kg	1		✱	6010D	Total/NA
Silver	66	J	93	5.0	ug/Kg	1		✱	6020B	Total/NA
Arsenic	7200		560	47	ug/Kg	1		✱	6020B	Total/NA
Barium	220000		370	67	ug/Kg	1		✱	6020B	Total/NA
Cadmium	260		93	19	ug/Kg	1		✱	6020B	Total/NA
Chromium	20000	B	560	90	ug/Kg	1		✱	6020B	Total/NA
Copper	15000		560	190	ug/Kg	1		✱	6020B	Total/NA
Nickel	19000		5600	1600	ug/Kg	10		✱	6020B	Total/NA
Lead	12000	B	370	36	ug/Kg	1		✱	6020B	Total/NA
Selenium	420	J	470	32	ug/Kg	1		✱	6020B	Total/NA
Zinc	52000		1900	640	ug/Kg	1		✱	6020B	Total/NA
Specific Conductance	1500		10	10	umho/cm	1			29B_EC	Total/NA
Electrical Conductivity	1500		10	10	umho/cm	1			29B_EC	Total/NA
pH	8.1	HF	0.10	0.10	S.U.	1			29B_pH	Total/NA
Temperature	22	HF	0.10	0.10	Deg. C	1			29B_pH	Total/NA
Cr (VI)	1.4		0.41	0.13	mg/Kg	1		✱	7196A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Method Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET DEN
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET DEN
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET DEN
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET DEN
29B SAR	Sodium Adsorption Ratio	LA	EET HOU
6010D	Metals (ICP)	SW846	EET DEN
6020B	Metals (ICP/MS)	SW846	EET DEN
29B_EC	Conductivity, Electrical	LA	EET HOU
29B_pH	pH	LA	EET HOU
7196A	Chromium, Hexavalent	SW846	EET HOU
D 2216	Percent Moisture	ASTM	EET DEN
29B	Preparation, Dry, Grind and Sieve	LA	EET HOU
29B	Preparation, Sodium Absorption Ratio	LA	EET HOU
3050B	Preparation, Metals	SW846	EET DEN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET HOU
3546	Microwave Extraction	SW846	EET DEN
5030B	Purge and Trap	SW846	EET DEN
Sat Paste Ext	Saturated Paste Extraction	TAL SOP	EET HOU

Protocol References:

ASTM = ASTM International

LA = Statewide Order No. 29-B, State Of Louisiana

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 DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-182262-1	35-08	Solid	10/02/23 10:00	10/03/23 11:30
280-182262-2	1-14	Solid	10/02/23 10:20	10/03/23 11:30
280-182262-3	1-16	Solid	10/02/23 10:35	10/03/23 11:30
280-182262-4	14 Baseline	Solid	10/02/23 10:55	10/03/23 11:30
280-182262-5	14 Wet	Solid	10/02/23 11:05	10/03/23 11:30

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: 35-08

Date Collected: 10/02/23 10:00

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1

Matrix: Solid

Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.2	1.5	ug/Kg	✧	10/11/23 13:28	10/11/23 15:51	1
Benzene	ND		0.0052	0.00019	mg/Kg	✧	10/11/23 13:28	10/11/23 15:51	1
Ethylbenzene	ND		0.0052	0.00048	mg/Kg	✧	10/11/23 13:28	10/11/23 15:51	1
Toluene	ND		0.0052	0.00067	mg/Kg	✧	10/11/23 13:28	10/11/23 15:51	1
Xylenes, Total	ND		0.0052	0.00053	mg/Kg	✧	10/11/23 13:28	10/11/23 15:51	1
1,3,5-Trimethylbenzene	ND		5.2	0.65	ug/Kg	✧	10/11/23 13:28	10/11/23 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		58 - 140	10/11/23 13:28	10/11/23 15:51	1
4-Bromofluorobenzene (Surr)	97		76 - 127	10/11/23 13:28	10/11/23 15:51	1
Toluene-d8 (Surr)	98		80 - 126	10/11/23 13:28	10/11/23 15:51	1
Dibromofluoromethane (Surr)	112		75 - 121	10/11/23 13:28	10/11/23 15:51	1

Client Sample ID: 1-14

Date Collected: 10/02/23 10:20

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2

Matrix: Solid

Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.3	1.5	ug/Kg	✧	10/11/23 13:28	10/11/23 16:16	1
Benzene	ND		0.0053	0.00019	mg/Kg	✧	10/11/23 13:28	10/11/23 16:16	1
Ethylbenzene	ND		0.0053	0.00048	mg/Kg	✧	10/11/23 13:28	10/11/23 16:16	1
Toluene	ND		0.0053	0.00067	mg/Kg	✧	10/11/23 13:28	10/11/23 16:16	1
Xylenes, Total	ND		0.0053	0.00053	mg/Kg	✧	10/11/23 13:28	10/11/23 16:16	1
1,3,5-Trimethylbenzene	ND		5.3	0.66	ug/Kg	✧	10/11/23 13:28	10/11/23 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 140	10/11/23 13:28	10/11/23 16:16	1
4-Bromofluorobenzene (Surr)	100		76 - 127	10/11/23 13:28	10/11/23 16:16	1
Toluene-d8 (Surr)	97		80 - 126	10/11/23 13:28	10/11/23 16:16	1
Dibromofluoromethane (Surr)	109		75 - 121	10/11/23 13:28	10/11/23 16:16	1

Client Sample ID: 1-16

Date Collected: 10/02/23 10:35

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3

Matrix: Solid

Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.4	1.5	ug/Kg	✧	10/11/23 13:28	10/11/23 16:41	1
Benzene	ND		0.0054	0.00020	mg/Kg	✧	10/11/23 13:28	10/11/23 16:41	1
Ethylbenzene	ND		0.0054	0.00049	mg/Kg	✧	10/11/23 13:28	10/11/23 16:41	1
Toluene	ND		0.0054	0.00069	mg/Kg	✧	10/11/23 13:28	10/11/23 16:41	1
Xylenes, Total	ND		0.0054	0.00054	mg/Kg	✧	10/11/23 13:28	10/11/23 16:41	1
1,3,5-Trimethylbenzene	ND		5.4	0.67	ug/Kg	✧	10/11/23 13:28	10/11/23 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		58 - 140	10/11/23 13:28	10/11/23 16:41	1
4-Bromofluorobenzene (Surr)	98		76 - 127	10/11/23 13:28	10/11/23 16:41	1
Toluene-d8 (Surr)	98		80 - 126	10/11/23 13:28	10/11/23 16:41	1
Dibromofluoromethane (Surr)	109		75 - 121	10/11/23 13:28	10/11/23 16:41	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	*3	5.2	1.5	ug/Kg	☆	10/11/23 13:28	10/11/23 17:05	1
Benzene	ND	*3	0.0052	0.00019	mg/Kg	☆	10/11/23 13:28	10/11/23 17:05	1
Ethylbenzene	ND	*3	0.0052	0.00047	mg/Kg	☆	10/11/23 13:28	10/11/23 17:05	1
Toluene	ND	*3	0.0052	0.00067	mg/Kg	☆	10/11/23 13:28	10/11/23 17:05	1
Xylenes, Total	ND		0.0052	0.00052	mg/Kg	☆	10/11/23 13:28	10/11/23 17:05	1
1,3,5-Trimethylbenzene	ND	*3	5.2	0.65	ug/Kg	☆	10/11/23 13:28	10/11/23 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	144	*3 S1+	58 - 140	10/11/23 13:28	10/11/23 17:05	1
4-Bromofluorobenzene (Surr)	84	*3	76 - 127	10/11/23 13:28	10/11/23 17:05	1
Toluene-d8 (Surr)	82	*3	80 - 126	10/11/23 13:28	10/11/23 17:05	1
Dibromofluoromethane (Surr)	128	*3 S1+	75 - 121	10/11/23 13:28	10/11/23 17:05	1

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.3	1.5	ug/Kg	☆	10/10/23 12:59	10/10/23 18:43	1
Benzene	ND		0.0053	0.00019	mg/Kg	☆	10/10/23 12:59	10/10/23 18:43	1
Ethylbenzene	ND		0.0053	0.00048	mg/Kg	☆	10/10/23 12:59	10/10/23 18:43	1
Toluene	ND		0.0053	0.00067	mg/Kg	☆	10/10/23 12:59	10/10/23 18:43	1
Xylenes, Total	ND		0.0053	0.00053	mg/Kg	☆	10/10/23 12:59	10/10/23 18:43	1
1,3,5-Trimethylbenzene	ND		5.3	0.66	ug/Kg	☆	10/10/23 12:59	10/10/23 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		58 - 140	10/10/23 12:59	10/10/23 18:43	1
4-Bromofluorobenzene (Surr)	92		76 - 127	10/10/23 12:59	10/10/23 18:43	1
Toluene-d8 (Surr)	95		80 - 126	10/10/23 12:59	10/10/23 18:43	1
Dibromofluoromethane (Surr)	120		75 - 121	10/10/23 12:59	10/10/23 18:43	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: 35-08
Date Collected: 10/02/23 10:00
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1
Matrix: Solid
Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		10	0.79	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Anthracene	ND		10	1.5	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Benzo[a]anthracene	3.4	J	10	1.8	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Benzo[a]pyrene	5.6	J	10	1.5	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Benzo[b]fluoranthene	6.6	J	10	2.5	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Benzo[g,h,i]perylene	17		10	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Chrysene	6.6	J	10	2.0	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Dibenz(a,h)anthracene	ND		10	2.7	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Fluoranthene	4.6	J	10	2.0	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Fluorene	2.2	J	10	0.96	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
2-Methylnaphthalene	16		10	0.63	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Acenaphthene	ND		10	0.95	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Indeno[1,2,3-cd]pyrene	3.4	J	10	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Naphthalene	8.6	J	10	0.67	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: 35-08

Date Collected: 10/02/23 10:00

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1

Matrix: Solid

Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	9.3	J	10	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
1-Methylnaphthalene	11		10	0.53	ug/Kg	☆	10/16/23 16:26	10/18/23 10:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		42 - 104				10/16/23 16:26	10/18/23 10:35	1
Nitrobenzene-d5	83		14 - 139				10/16/23 16:26	10/18/23 10:35	1
Terphenyl-d14	78		46 - 125				10/16/23 16:26	10/18/23 10:35	1
2-methylnaphthalene-d10	66		10 - 144				10/16/23 16:26	10/18/23 10:35	1
Fluoranthene-d10	86		27 - 139				10/16/23 16:26	10/18/23 10:35	1

Client Sample ID: 1-14

Date Collected: 10/02/23 10:20

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2

Matrix: Solid

Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		10	0.81	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Anthracene	ND		10	1.5	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Benzo[a]anthracene	2.4	J	10	1.9	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Benzo[a]pyrene	ND		10	1.5	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Benzo[b]fluoranthene	ND		10	2.5	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Benzo[g,h,i]perylene	9.8	J	10	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Benzo[k]fluoranthene	ND		10	2.1	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Chrysene	3.7	J	10	2.1	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Dibenz(a,h)anthracene	ND		10	2.7	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Fluoranthene	3.8	J	10	2.1	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Fluorene	1.2	J	10	0.98	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
2-Methylnaphthalene	4.4	J	10	0.64	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Acenaphthene	ND		10	0.96	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Indeno[1,2,3-cd]pyrene	2.4	J	10	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Naphthalene	4.6	J	10	0.68	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Pyrene	6.4	J	10	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
1-Methylnaphthalene	3.8	J	10	0.54	ug/Kg	☆	10/16/23 16:26	10/18/23 11:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		42 - 104				10/16/23 16:26	10/18/23 11:00	1
Nitrobenzene-d5	51		14 - 139				10/16/23 16:26	10/18/23 11:00	1
Terphenyl-d14	71		46 - 125				10/16/23 16:26	10/18/23 11:00	1
2-methylnaphthalene-d10	54		10 - 144				10/16/23 16:26	10/18/23 11:00	1
Fluoranthene-d10	80		27 - 139				10/16/23 16:26	10/18/23 11:00	1

Client Sample ID: 1-16

Date Collected: 10/02/23 10:35

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3

Matrix: Solid

Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		11	0.82	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1
Anthracene	25		11	1.5	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1
Benzo[a]anthracene	ND		11	1.9	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1
Benzo[a]pyrene	ND		11	1.6	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1
Benzo[b]fluoranthene	ND		11	2.5	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1
Benzo[g,h,i]perylene	ND		11	2.3	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1
Benzo[k]fluoranthene	ND		11	2.1	ug/Kg	☆	10/16/23 16:26	10/18/23 11:24	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: 1-16

Date Collected: 10/02/23 10:35

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3

Matrix: Solid

Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	2.4	J	11	2.1	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Dibenz(a,h)anthracene	ND		11	2.8	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Fluoranthene	4.1	J	11	2.1	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Fluorene	1.8	J	11	1.0	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
2-Methylnaphthalene	4.5	J	11	0.66	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Acenaphthene	ND		11	0.98	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Indeno[1,2,3-cd]pyrene	ND		11	2.3	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Naphthalene	6.5	J	11	0.69	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
Pyrene	3.0	J	11	2.3	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1
1-Methylnaphthalene	2.6	J	11	0.55	ug/Kg	✧	10/16/23 16:26	10/18/23 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		42 - 104	10/16/23 16:26	10/18/23 11:24	1
Nitrobenzene-d5	68		14 - 139	10/16/23 16:26	10/18/23 11:24	1
Terphenyl-d14	83		46 - 125	10/16/23 16:26	10/18/23 11:24	1
2-methylnaphthalene-d10	59		10 - 144	10/16/23 16:26	10/18/23 11:24	1
Fluoranthene-d10	89		27 - 139	10/16/23 16:26	10/18/23 11:24	1

Client Sample ID: 14 Baseline

Date Collected: 10/02/23 10:55

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4

Matrix: Solid

Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		10	0.79	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Anthracene	ND		10	1.5	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Benzo[a]anthracene	ND		10	1.8	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Benzo[a]pyrene	ND		10	1.5	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Benzo[b]fluoranthene	ND		10	2.5	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Benzo[g,h,i]perylene	ND		10	2.3	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Chrysene	ND		10	2.0	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Dibenz(a,h)anthracene	ND		10	2.7	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Fluoranthene	ND		10	2.0	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Fluorene	ND		10	0.96	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
2-Methylnaphthalene	ND		10	0.63	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Acenaphthene	ND		10	0.95	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Indeno[1,2,3-cd]pyrene	ND		10	2.3	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Naphthalene	ND		10	0.67	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
Pyrene	ND		10	2.3	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1
1-Methylnaphthalene	ND		10	0.53	ug/Kg	✧	10/16/23 16:26	10/18/23 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		42 - 104	10/16/23 16:26	10/18/23 11:48	1
Nitrobenzene-d5	66		14 - 139	10/16/23 16:26	10/18/23 11:48	1
Terphenyl-d14	67		46 - 125	10/16/23 16:26	10/18/23 11:48	1
2-methylnaphthalene-d10	54		10 - 144	10/16/23 16:26	10/18/23 11:48	1
Fluoranthene-d10	75		27 - 139	10/16/23 16:26	10/18/23 11:48	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		9.9	0.77	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Anthracene	3.2	J	9.9	1.4	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Benzo[a]anthracene	ND		9.9	1.8	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Benzo[a]pyrene	ND		9.9	1.5	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Benzo[b]fluoranthene	ND		9.9	2.4	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Benzo[g,h,i]perylene	ND		9.9	2.2	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Benzo[k]fluoranthene	ND		9.9	2.0	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Chrysene	ND		9.9	2.0	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Dibenz(a,h)anthracene	ND		9.9	2.6	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Fluoranthene	ND		9.9	2.0	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Fluorene	ND		9.9	0.93	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
2-Methylnaphthalene	ND		9.9	0.61	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Acenaphthene	ND		9.9	0.91	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Indeno[1,2,3-cd]pyrene	ND		9.9	2.2	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Naphthalene	0.84	J	9.9	0.64	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
Pyrene	ND		9.9	2.2	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1
1-Methylnaphthalene	2.8	J	9.9	0.51	ug/Kg	☆	10/16/23 16:26	10/18/23 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	55		42 - 104	10/16/23 16:26	10/18/23 12:13	1
Nitrobenzene-d5	89		14 - 139	10/16/23 16:26	10/18/23 12:13	1
Terphenyl-d14	64		46 - 125	10/16/23 16:26	10/18/23 12:13	1
2-methylnaphthalene-d10	50		10 - 144	10/16/23 16:26	10/18/23 12:13	1
Fluoranthene-d10	69		27 - 139	10/16/23 16:26	10/18/23 12:13	1

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Client Sample ID: 35-08
Date Collected: 10/02/23 10:00
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1
Matrix: Solid
Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		2.0	0.75	mg/Kg	☼	10/07/23 13:26	10/07/23 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	104		77 - 123				10/07/23 13:26	10/07/23 16:31	1

Client Sample ID: 1-14
Date Collected: 10/02/23 10:20
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2
Matrix: Solid
Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		1.9	0.73	mg/Kg	☼	10/07/23 13:26	10/07/23 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a.a.a-Trifluorotoluene (Surr)	103		77 - 123				10/07/23 13:26	10/07/23 16:55	1

Client Sample ID: 1-16
Date Collected: 10/02/23 10:35
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3
Matrix: Solid
Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		2.2	0.83	mg/Kg	☆	10/07/23 13:26	10/07/23 17:18	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits							Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	102		77 - 123							10/07/23 13:26	10/07/23 17:18	1
Client Sample ID: 14 Baseline										Lab Sample ID: 280-182262-4		
Date Collected: 10/02/23 10:55										Matrix: Solid		
Date Received: 10/03/23 11:30										Percent Solids: 95.8		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
GRO (C6-C10)	1.3	J	2.0	0.76	mg/Kg	☼	10/07/23 13:26	10/07/23 17:42	1			
Surrogate	%Recovery	Qualifier	Limits							Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	102		77 - 123							10/07/23 13:26	10/07/23 17:42	1
Client Sample ID: 14 Wet										Lab Sample ID: 280-182262-5		
Date Collected: 10/02/23 11:05										Matrix: Solid		
Date Received: 10/03/23 11:30										Percent Solids: 96.9		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
GRO (C6-C10)	ND		1.8	0.69	mg/Kg	☼	10/07/23 13:26	10/07/23 18:06	1			
Surrogate	%Recovery	Qualifier	Limits							Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	102		77 - 123							10/07/23 13:26	10/07/23 18:06	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Client Sample ID: 35-08

Date Collected: 10/02/23 10:00

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1

Matrix: Solid

Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	16	J	17	7.6	mg/Kg	☼	10/05/23 16:37	10/10/23 01:10	1
ORO (C20-C38)	46	J	50	16	mg/Kg	☼	10/05/23 16:37	10/10/23 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		40 - 122				10/05/23 16:37	10/10/23 01:10	1
n-Octacosane	124		16 - 157				10/05/23 16:37	10/10/23 01:10	1

Client Sample ID: 1-14

Date Collected: 10/02/23 10:20

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2

Matrix: Solid

Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	32		17	7.6	mg/Kg	☼	10/05/23 16:37	10/10/23 01:32	1
ORO (C20-C38)	96		50	16	mg/Kg	☼	10/05/23 16:37	10/10/23 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		40 - 122				10/05/23 16:37	10/10/23 01:32	1
n-Octacosane	118		16 - 157				10/05/23 16:37	10/10/23 01:32	1

Client Sample ID: 1-16

Date Collected: 10/02/23 10:35

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3

Matrix: Solid

Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	43		17	7.9	mg/Kg	☼	10/05/23 16:37	10/10/23 01:55	1
ORO (C20-C38)	97		52	17	mg/Kg	☼	10/05/23 16:37	10/10/23 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		40 - 122				10/05/23 16:37	10/10/23 01:55	1
n-Octacosane	121		16 - 157				10/05/23 16:37	10/10/23 01:55	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	27		16	7.5	mg/Kg	☆	10/05/23 16:37	10/10/23 02:17	1
ORO (C20-C38)	89		49	16	mg/Kg	☆	10/05/23 16:37	10/10/23 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		40 - 122				10/05/23 16:37	10/10/23 02:17	1
n-Octacosane	119		16 - 157				10/05/23 16:37	10/10/23 02:17	1

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	75		17	7.5	mg/Kg	☆	10/05/23 16:37	10/10/23 02:40	1
ORO (C20-C38)	190		50	16	mg/Kg	☆	10/05/23 16:37	10/10/23 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		40 - 122				10/05/23 16:37	10/10/23 02:40	1
n-Octacosane	113		16 - 157				10/05/23 16:37	10/10/23 02:40	1

Method: LA 29B SAR - Sodium Adsorption Ratio - Soluble

Client Sample ID: 35-08
Date Collected: 10/02/23 10:00
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1
Matrix: Solid
Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	17		0.10	0.10	NONE	-	10/16/23 17:56	10/18/23 11:50	1

Client Sample ID: 1-14
Date Collected: 10/02/23 10:20
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2
Matrix: Solid
Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	15		0.10	0.10	NONE	-	10/16/23 17:56	10/18/23 11:50	1

Client Sample ID: 1-16
Date Collected: 10/02/23 10:35
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3
Matrix: Solid
Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	5.2		0.10	0.10	NONE	-	10/16/23 17:56	10/18/23 11:50	1

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	1.1		0.10	0.10	NONE	-	10/16/23 17:56	10/18/23 11:50	1

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	3.5		0.10	0.10	NONE	-	10/16/23 17:56	10/18/23 11:50	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 6010D - Metals (ICP)

Client Sample ID: 35-08
Date Collected: 10/02/23 10:00
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1
Matrix: Solid
Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	15		8.0	0.72	mg/Kg	☆	10/18/23 08:43	10/19/23 15:38	1

Client Sample ID: 1-14
Date Collected: 10/02/23 10:20
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2
Matrix: Solid
Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	11		8.2	0.74	mg/Kg	☆	10/18/23 08:43	10/19/23 15:58	1

Client Sample ID: 1-16
Date Collected: 10/02/23 10:35
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3
Matrix: Solid
Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	10		7.7	0.69	mg/Kg	☆	10/18/23 08:43	10/19/23 16:02	1

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	9.0		7.7	0.69	mg/Kg	☆	10/18/23 08:43	10/19/23 16:06	1

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	12		9.3	0.84	mg/Kg	☆	10/18/23 08:43	10/19/23 16:22	1

Method: SW846 6020B - Metals (ICP/MS)

Client Sample ID: 35-08
Date Collected: 10/02/23 10:00
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1
Matrix: Solid
Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	46	J	89	4.8	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Arsenic	3800		540	45	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Barium	250000		360	65	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Cadmium	100		89	18	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Chromium	16000	F1 B	540	86	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Copper	7900	F1	540	180	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Nickel	14000	F1	5400	1500	ug/Kg	☆	10/18/23 08:43	10/19/23 17:48	10
Lead	8600	F1 B	360	34	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Selenium	200	J	450	31	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1
Zinc	38000	F1	1800	610	ug/Kg	☆	10/18/23 08:43	10/19/23 03:09	1

Client Sample ID: 1-14
Date Collected: 10/02/23 10:20
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2
Matrix: Solid
Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	270		82	4.4	ug/Kg	☆	10/18/23 08:43	10/19/23 03:27	1
Arsenic	15000		490	42	ug/Kg	☆	10/18/23 08:43	10/19/23 03:27	1
Barium	270000		330	59	ug/Kg	☆	10/18/23 08:43	10/19/23 03:27	1
Cadmium	110		82	17	ug/Kg	☆	10/18/23 08:43	10/19/23 03:27	1

Eurofins Denver

Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Client Sample ID: 1-14
Date Collected: 10/02/23 10:20
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2
Matrix: Solid
Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	8700	B	490	79	ug/Kg	✱	10/18/23 08:43	10/19/23 03:27	1
Copper	24000		490	160	ug/Kg	✱	10/18/23 08:43	10/19/23 03:27	1
Nickel	11000		4900	1400	ug/Kg	✱	10/18/23 08:43	10/19/23 17:59	10
Lead	13000	B	330	32	ug/Kg	✱	10/18/23 08:43	10/19/23 03:27	1
Selenium	430		410	29	ug/Kg	✱	10/18/23 08:43	10/19/23 03:27	1
Zinc	30000		1600	570	ug/Kg	✱	10/18/23 08:43	10/19/23 03:27	1

Client Sample ID: 1-16
Date Collected: 10/02/23 10:35
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3
Matrix: Solid
Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	30	J	77	4.1	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Arsenic	4800		460	39	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Barium	190000		310	55	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Cadmium	200		77	16	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Chromium	12000	B	460	74	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Copper	9000		460	150	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Nickel	9900		4600	1300	ug/Kg	✱	10/18/23 08:43	10/19/23 18:02	10
Lead	7500	B	310	30	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Selenium	350	J	380	27	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1
Zinc	29000		1500	530	ug/Kg	✱	10/18/23 08:43	10/19/23 03:30	1

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	54	J	77	4.2	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Arsenic	5700		460	39	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Barium	170000		310	56	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Cadmium	320		77	16	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Chromium	19000	B	460	74	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Copper	14000		460	150	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Nickel	15000		4600	1300	ug/Kg	✱	10/18/23 08:43	10/19/23 18:08	10
Lead	14000	B	310	30	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Selenium	350	J	390	27	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1
Zinc	53000		1500	530	ug/Kg	✱	10/18/23 08:43	10/19/23 03:34	1

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	66	J	93	5.0	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Arsenic	7200		560	47	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Barium	220000		370	67	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Cadmium	260		93	19	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Chromium	20000	B	560	90	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Copper	15000		560	190	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Nickel	19000		5600	1600	ug/Kg	✱	10/18/23 08:43	10/19/23 18:10	10
Lead	12000	B	370	36	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1
Selenium	420	J	470	32	ug/Kg	✱	10/18/23 08:43	10/19/23 03:45	1

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Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	52000		1900	640	ug/Kg	☆	10/18/23 08:43	10/19/23 03:45	1

General Chemistry

Client Sample ID: 35-08
Date Collected: 10/02/23 10:00
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1
Matrix: Solid
Percent Solids: 95.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (LA 29B_EC)	7400		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
Electrical Conductivity (LA 29B_EC)	7400		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
pH (LA 29B_pH)	12	HF	0.10	0.10	S.U.		10/06/23 13:09	10/13/23 16:01	1
Temperature (LA 29B_pH)	22	HF	0.10	0.10	Deg. C		10/06/23 13:09	10/13/23 16:01	1
Cr (VI) (SW846 7196A)	0.61		0.42	0.13	mg/Kg	☆	10/09/23 10:45	10/16/23 11:41	1
Percent Moisture (ASTM D 2216)	4.1		0.1	0.1	%			10/10/23 12:08	1

Client Sample ID: 1-14
Date Collected: 10/02/23 10:20
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2
Matrix: Solid
Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (LA 29B_EC)	9800		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
Electrical Conductivity (LA 29B_EC)	9800		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
pH (LA 29B_pH)	8.2	HF	0.10	0.10	S.U.		10/06/23 13:09	10/13/23 16:01	1
Temperature (LA 29B_pH)	22	HF	0.10	0.10	Deg. C		10/06/23 13:09	10/13/23 16:01	1
Cr (VI) (SW846 7196A)	1.0		0.42	0.13	mg/Kg	☆	10/09/23 10:45	10/16/23 11:41	1
Percent Moisture (ASTM D 2216)	5.4		0.1	0.1	%			10/10/23 12:08	1

Client Sample ID: 1-16
Date Collected: 10/02/23 10:35
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3
Matrix: Solid
Percent Solids: 91.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (LA 29B_EC)	9300		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
Electrical Conductivity (LA 29B_EC)	9300		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
pH (LA 29B_pH)	7.7	HF	0.10	0.10	S.U.		10/06/23 13:09	10/13/23 16:01	1
Temperature (LA 29B_pH)	22	HF	0.10	0.10	Deg. C		10/06/23 13:09	10/13/23 16:01	1
Cr (VI) (SW846 7196A)	1.2		0.44	0.13	mg/Kg	☆	10/09/23 10:45	10/16/23 11:41	1
Percent Moisture (ASTM D 2216)	8.7		0.1	0.1	%			10/10/23 12:08	1

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (LA 29B_EC)	1900		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
Electrical Conductivity (LA 29B_EC)	1900		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
pH (LA 29B_pH)	7.3	HF	0.10	0.10	S.U.		10/06/23 13:09	10/13/23 16:01	1
Temperature (LA 29B_pH)	22	HF	0.10	0.10	Deg. C		10/06/23 13:09	10/13/23 16:01	1

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Client Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

General Chemistry (Continued)

Client Sample ID: 14 Baseline
Date Collected: 10/02/23 10:55
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.42	0.13	mg/Kg	☼	10/09/23 10:45	10/16/23 11:41	1
Percent Moisture (ASTM D 2216)	4.2		0.1	0.1	%			10/10/23 12:08	1

Client Sample ID: 14 Wet
Date Collected: 10/02/23 11:05
Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-5
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (LA 29B_EC)	1500		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
Electrical Conductivity (LA 29B_EC)	1500		10	10	umho/cm		10/06/23 12:04	10/13/23 15:45	1
pH (LA 29B_pH)	8.1	HF	0.10	0.10	S.U.		10/06/23 13:09	10/13/23 16:01	1
Temperature (LA 29B_pH)	22	HF	0.10	0.10	Deg. C		10/06/23 13:09	10/13/23 16:01	1
Cr (VI) (SW846 7196A)	1.4		0.41	0.13	mg/Kg	☼	10/09/23 10:45	10/16/23 11:41	1
Percent Moisture (ASTM D 2216)	3.1		0.1	0.1	%			10/10/23 12:08	1

Surrogate Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (58-140)	BFB (76-127)	TOL (80-126)	DBFM (75-121)
280-182262-1	35-08	117	97	98	112
280-182262-2	1-14	116	100	97	109
280-182262-3	1-16	113	98	98	109
280-182262-4	14 Baseline	144 *3 S1+	84 *3	82 *3	128 *3 S1+
280-182262-5	14 Wet	126	92	95	120
LCS 280-629196/2-A	Lab Control Sample	111	99	99	110
LCS 280-629376/2-A	Lab Control Sample	118	98	96	113
LCSD 280-629196/3-A	Lab Control Sample Dup	114	97	95	110
LCSD 280-629376/3-A	Lab Control Sample Dup	116	98	96	112
MB 280-629196/1-A	Method Blank	112	96	97	111
MB 280-629376/1-A	Method Blank	117	95	95	111

Surrogate Legend
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)				
		FBP (42-104)	NBZ (14-139)	TPHL (46-125)	2MN (10-144)	FLN (27-139)
280-182262-1	35-08	79	83	78	66	86
280-182262-2	1-14	66	51	71	54	80
280-182262-3	1-16	82	68	83	59	89
280-182262-4	14 Baseline	66	66	67	54	75
280-182262-5	14 Wet	55	89	64	50	69
LCS 280-629897/2-A	Lab Control Sample	65	70	75	112	80
LCSD 280-629897/3-A	Lab Control Sample Dup	71	72	78	120	73
MB 280-629897/1-A	Method Blank	51	56	71	49	78

Surrogate Legend
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2MN = 2-methylnaphthalene-d10
FLN = Fluoranthene-d10

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	TFT1 (77-123)						
280-182262-1	35-08	104						
280-182262-2	1-14	103						
280-182262-3	1-16	102						
280-182262-4	14 Baseline	102						
280-182262-5	14 Wet	102						

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Surrogate Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT1 (77-123)
LCS 280-628905/1-A	Lab Control Sample	109
LCSD 280-628905/2-A	Lab Control Sample Dup	109
MB 280-628905/3-A	Method Blank	106

Surrogate Legend

TFT = a,a,a-Trifluorotoluene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (40-122)	OTCN (16-157)
280-182262-1	35-08	72	124
280-182262-2	1-14	67	118
280-182262-3	1-16	73	121
280-182262-4	14 Baseline	69	119
280-182262-5	14 Wet	63	113
LCS 280-628595/2-A	Lab Control Sample	67	98
LCSD 280-628595/3-A	Lab Control Sample Dup	64	91
MB 280-628595/1-A	Method Blank	78	125

Surrogate Legend

OTPH = o-Terphenyl

OTCN = n-Octacosane

QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 280-629196/1-A

Matrix: Solid

Analysis Batch: 629134

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.0	1.4	ug/Kg		10/10/23 07:00	10/10/23 15:26	1
Benzene	ND		0.0050	0.00018	mg/Kg		10/10/23 07:00	10/10/23 15:26	1
Ethylbenzene	ND		0.0050	0.00046	mg/Kg		10/10/23 07:00	10/10/23 15:26	1
Toluene	ND		0.0050	0.00064	mg/Kg		10/10/23 07:00	10/10/23 15:26	1
Xylenes, Total	ND		0.0050	0.00050	mg/Kg		10/10/23 07:00	10/10/23 15:26	1
1,3,5-Trimethylbenzene	ND		5.0	0.62	ug/Kg		10/10/23 07:00	10/10/23 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 140	10/10/23 07:00	10/10/23 15:26	1
4-Bromofluorobenzene (Surr)	96		76 - 127	10/10/23 07:00	10/10/23 15:26	1
Toluene-d8 (Surr)	97		80 - 126	10/10/23 07:00	10/10/23 15:26	1
Dibromofluoromethane (Surr)	111		75 - 121	10/10/23 07:00	10/10/23 15:26	1

Lab Sample ID: LCS 280-629196/2-A

Matrix: Solid

Analysis Batch: 629134

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 629196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	50.0	47.1		ug/Kg		94	67 - 135
Benzene	0.0500	0.0512		mg/Kg		102	75 - 135
Ethylbenzene	0.0500	0.0467		mg/Kg		93	73 - 125
Toluene	0.0500	0.0516		mg/Kg		103	77 - 122
1,3,5-Trimethylbenzene	50.0	46.2		ug/Kg		92	65 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		58 - 140
4-Bromofluorobenzene (Surr)	99		76 - 127
Toluene-d8 (Surr)	99		80 - 126
Dibromofluoromethane (Surr)	110		75 - 121

Lab Sample ID: LCSD 280-629196/3-A

Matrix: Solid

Analysis Batch: 629134

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 629196

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,2,4-Trimethylbenzene	50.0	46.0		ug/Kg		92	67 - 135	2	20
Benzene	0.0500	0.0563		mg/Kg		113	75 - 135	10	20
Ethylbenzene	0.0500	0.0498		mg/Kg		100	73 - 125	6	20
Toluene	0.0500	0.0586		mg/Kg		117	77 - 122	13	20
1,3,5-Trimethylbenzene	50.0	45.8		ug/Kg		92	65 - 135	1	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		58 - 140
4-Bromofluorobenzene (Surr)	97		76 - 127
Toluene-d8 (Surr)	95		80 - 126
Dibromofluoromethane (Surr)	110		75 - 121

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-629376/1-A

Matrix: Solid

Analysis Batch: 629325

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.0	1.4	ug/Kg		10/11/23 07:01	10/11/23 14:38	1
Benzene	ND		0.0050	0.00018	mg/Kg		10/11/23 07:01	10/11/23 14:38	1
Ethylbenzene	ND		0.0050	0.00046	mg/Kg		10/11/23 07:01	10/11/23 14:38	1
Toluene	ND		0.0050	0.00064	mg/Kg		10/11/23 07:01	10/11/23 14:38	1
Xylenes, Total	ND		0.0050	0.00050	mg/Kg		10/11/23 07:01	10/11/23 14:38	1
1,3,5-Trimethylbenzene	ND		5.0	0.62	ug/Kg		10/11/23 07:01	10/11/23 14:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		58 - 140	10/11/23 07:01	10/11/23 14:38	1
4-Bromofluorobenzene (Surr)	95		76 - 127	10/11/23 07:01	10/11/23 14:38	1
Toluene-d8 (Surr)	95		80 - 126	10/11/23 07:01	10/11/23 14:38	1
Dibromofluoromethane (Surr)	111		75 - 121	10/11/23 07:01	10/11/23 14:38	1

Lab Sample ID: LCS 280-629376/2-A

Matrix: Solid

Analysis Batch: 629325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 629376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	50.0	50.0		ug/Kg		100	67 - 135
Benzene	0.0500	0.0585		mg/Kg		117	75 - 135
Ethylbenzene	0.0500	0.0524		mg/Kg		105	73 - 125
Toluene	0.0500	0.0598		mg/Kg		120	77 - 122
1,3,5-Trimethylbenzene	50.0	50.1		ug/Kg		100	65 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	118		58 - 140
4-Bromofluorobenzene (Surr)	98		76 - 127
Toluene-d8 (Surr)	96		80 - 126
Dibromofluoromethane (Surr)	113		75 - 121

Lab Sample ID: LCSD 280-629376/3-A

Matrix: Solid

Analysis Batch: 629325

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 629376

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,2,4-Trimethylbenzene	50.0	49.7		ug/Kg		99	67 - 135	1	20
Benzene	0.0500	0.0573		mg/Kg		115	75 - 135	2	20
Ethylbenzene	0.0500	0.0514		mg/Kg		103	73 - 125	2	20
Toluene	0.0500	0.0578		mg/Kg		116	77 - 122	3	20
1,3,5-Trimethylbenzene	50.0	49.4		ug/Kg		99	65 - 135	1	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	116		58 - 140
4-Bromofluorobenzene (Surr)	98		76 - 127
Toluene-d8 (Surr)	96		80 - 126
Dibromofluoromethane (Surr)	112		75 - 121

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 280-629897/1-A

Matrix: Solid

Analysis Batch: 630122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		10	0.78	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Anthracene	ND		10	1.4	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Benzo[a]anthracene	ND		10	1.8	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Benzo[a]pyrene	ND		10	1.5	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Benzo[b]fluoranthene	ND		10	2.4	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Benzo[g,h,i]perylene	ND		10	2.2	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Chrysene	ND		10	2.0	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Dibenz(a,h)anthracene	ND		10	2.6	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Fluoranthene	ND		10	2.0	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Fluorene	ND		10	0.94	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
2-Methylnaphthalene	ND		10	0.62	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Acenaphthene	ND		10	0.92	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Indeno[1,2,3-cd]pyrene	ND		10	2.2	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Naphthalene	ND		10	0.65	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
Pyrene	ND		10	2.2	ug/Kg		10/16/23 16:26	10/18/23 09:22	1
1-Methylnaphthalene	ND		10	0.52	ug/Kg		10/16/23 16:26	10/18/23 09:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	51		42 - 104	10/16/23 16:26	10/18/23 09:22	1
Nitrobenzene-d5	56		14 - 139	10/16/23 16:26	10/18/23 09:22	1
Terphenyl-d14	71		46 - 125	10/16/23 16:26	10/18/23 09:22	1
2-methylnaphthalene-d10	49		10 - 144	10/16/23 16:26	10/18/23 09:22	1
Fluoranthene-d10	78		27 - 139	10/16/23 16:26	10/18/23 09:22	1

Lab Sample ID: LCS 280-629897/2-A

Matrix: Solid

Analysis Batch: 630122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 629897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	60.0	41.6		ug/Kg		69	41 - 120
Anthracene	60.0	50.0		ug/Kg		83	43 - 120
Benzo[a]anthracene	60.0	53.6		ug/Kg		89	36 - 120
Benzo[a]pyrene	60.0	56.3		ug/Kg		94	20 - 120
Benzo[b]fluoranthene	60.0	57.5		ug/Kg		96	37 - 120
Benzo[g,h,i]perylene	60.0	62.0		ug/Kg		103	20 - 123
Benzo[k]fluoranthene	60.0	59.5		ug/Kg		99	46 - 120
Chrysene	60.0	54.4		ug/Kg		91	34 - 120
Dibenz(a,h)anthracene	60.0	62.0		ug/Kg		103	20 - 120
Fluoranthene	60.0	50.2		ug/Kg		84	45 - 120
Fluorene	60.0	43.6		ug/Kg		73	44 - 120
Acenaphthene	60.0	39.3		ug/Kg		65	35 - 120
Indeno[1,2,3-cd]pyrene	60.0	59.9		ug/Kg		100	20 - 127
Naphthalene	60.0	39.6		ug/Kg		66	44 - 120
Pyrene	60.0	50.1		ug/Kg		84	43 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	65		42 - 104

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 280-629897/2-A

Matrix: Solid

Analysis Batch: 630122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 629897

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	70		14 - 139
Terphenyl-d14	75		46 - 125
2-methylnaphthalene-d10	112		10 - 144
Fluoranthene-d10	80		27 - 139

Lab Sample ID: LCSD 280-629897/3-A

Matrix: Solid

Analysis Batch: 630122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 629897

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene	60.0	42.9		ug/Kg		72	41 - 120	3	50
Anthracene	60.0	48.7		ug/Kg		81	43 - 120	3	50
Benzo[a]anthracene	60.0	53.2		ug/Kg		89	36 - 120	1	40
Benzo[a]pyrene	60.0	55.1		ug/Kg		92	20 - 120	2	30
Benzo[b]fluoranthene	60.0	56.3		ug/Kg		94	37 - 120	2	28
Benzo[g,h,i]perylene	60.0	59.7		ug/Kg		100	20 - 123	4	30
Benzo[k]fluoranthene	60.0	57.8		ug/Kg		96	46 - 120	3	28
Chrysene	60.0	53.1		ug/Kg		88	34 - 120	2	41
Dibenz(a,h)anthracene	60.0	59.0		ug/Kg		98	20 - 120	5	25
Fluoranthene	60.0	49.1		ug/Kg		82	45 - 120	2	30
Fluorene	60.0	42.7		ug/Kg		71	44 - 120	2	50
Acenaphthene	60.0	41.4		ug/Kg		69	35 - 120	5	50
Indeno[1,2,3-cd]pyrene	60.0	56.9		ug/Kg		95	20 - 127	5	50
Naphthalene	60.0	40.4		ug/Kg		67	44 - 120	2	50
Pyrene	60.0	49.4		ug/Kg		82	43 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	71		42 - 104
Nitrobenzene-d5	72		14 - 139
Terphenyl-d14	78		46 - 125
2-methylnaphthalene-d10	120		10 - 144
Fluoranthene-d10	73		27 - 139

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 280-628905/3-A

Matrix: Solid

Analysis Batch: 629267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 628905

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		2.0	0.76	mg/Kg		10/07/23 10:26	10/07/23 14:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	106		77 - 123	10/07/23 10:26	10/07/23 14:09	1

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 280-628905/1-A

Matrix: Solid

Analysis Batch: 629267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 628905

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
GRO (C6-C10)			9.99	8.31		mg/Kg		83	75 - 135		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
a,a,a-Trifluorotoluene (Surr)	109		77 - 123								

Lab Sample ID: LCSD 280-628905/2-A

Matrix: Solid

Analysis Batch: 629267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 628905

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)			9.99	8.22		mg/Kg	-	82	75 - 135	1	30
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
a,a,a-Trifluorotoluene (Surr)	109		77 - 123								

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

Lab Sample ID: MB 280-628595/1-A

Matrix: Solid

Analysis Batch: 628978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 628595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		8.0	3.6	mg/Kg		10/05/23 16:37	10/09/23 12:58	1
ORO (C20-C38)	ND		24	7.8	mg/Kg		10/05/23 16:37	10/09/23 12:58	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	78		40 - 122				10/05/23 16:37	10/09/23 12:58	1
n-Octacosane	125		16 - 157				10/05/23 16:37	10/09/23 12:58	1

Lab Sample ID: LCS 280-628595/2-A

Matrix: Solid

Analysis Batch: 628978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 628595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	133	83.1		mg/Kg		62	40 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	67		40 - 122				
n-Octacosane	98		16 - 157				

Lab Sample ID: LCSD 280-628595/3-A

Matrix: Solid

Analysis Batch: 628978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 628595

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	133	81.8		mg/Kg		61	40 - 120	2	23

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

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

Lab Sample ID: LCSD 280-628595/3-A

Matrix: Solid

Analysis Batch: 628978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 628595

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	64		40 - 122
<i>n</i> -Octacosane	91		16 - 157

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-629930/1-A

Matrix: Solid

Analysis Batch: 630471

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629930

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Boron	ND		10	0.90	mg/Kg		10/18/23 08:43	10/19/23 15:30		1

Lab Sample ID: LCS 280-629930/2-A

Matrix: Solid

Analysis Batch: 630471

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 629930

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Boron		200	194		mg/Kg		97	80 - 120		

Lab Sample ID: 280-182262-1 MS

Matrix: Solid

Analysis Batch: 630471

Client Sample ID: 35-08

Prep Type: Total/NA

Prep Batch: 629930

Analyte	Sample	Sample	Spike	MS	MS			%Rec		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Boron	15		157	165		mg/Kg	✱	95	80 - 120	

Lab Sample ID: 280-182262-1 MSD

Matrix: Solid

Analysis Batch: 630471

Client Sample ID: 35-08

Prep Type: Total/NA

Prep Batch: 629930

Analyte	Sample	Sample	Spike	MSD	MSD			%Rec		RPD
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Boron	15		180	185		mg/Kg	✱	95	80 - 120	12

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 280-629930/1-A

Matrix: Solid

Analysis Batch: 630384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 629930

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Silver	ND		100	5.4	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Arsenic	ND		600	51	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Barium	ND		400	72	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Cadmium	ND		100	20	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Chromium	115	J	600	96	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Copper	ND		600	200	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Lead	47.3	J	400	39	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Selenium	ND		500	35	ug/Kg		10/18/23 08:43	10/19/23 03:02		1
Zinc	ND		2000	690	ug/Kg		10/18/23 08:43	10/19/23 03:02		1

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 280-629930/1-A
Matrix: Solid
Analysis Batch: 630466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		600	170	ug/Kg		10/18/23 08:43	10/19/23 17:44	1

Lab Sample ID: LCS 280-629930/21-A
Matrix: Solid
Analysis Batch: 630384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	20000	18500		ug/Kg		92	83 - 113
Arsenic	20000	17900		ug/Kg		90	83 - 111
Barium	20000	19100		ug/Kg		96	86 - 120
Cadmium	20000	17900		ug/Kg		90	85 - 109
Chromium	20000	17600		ug/Kg		88	87 - 120
Copper	20000	17800		ug/Kg		89	87 - 120
Lead	20000	18700		ug/Kg		94	81 - 120
Selenium	20000	17300		ug/Kg		87	80 - 108
Zinc	20000	17700		ug/Kg		89	85 - 119

Lab Sample ID: LCS 280-629930/21-A
Matrix: Solid
Analysis Batch: 630466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	20000	18100		ug/Kg		90	90 - 113

Lab Sample ID: 280-182262-1 MS
Matrix: Solid
Analysis Batch: 630384

Client Sample ID: 35-08
Prep Type: Total/NA
Prep Batch: 629930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	46	J	16400	14600		ug/Kg	✱	89	83 - 113
Arsenic	3800		16400	18100		ug/Kg	✱	87	83 - 111
Barium	250000		16400	157000	4	ug/Kg	✱	-551	86 - 120
Cadmium	100		16400	14200		ug/Kg	✱	86	85 - 109
Chromium	16000	F1 B	16400	27900	F1	ug/Kg	✱	75	87 - 121
Copper	7900	F1	16400	20700	F1	ug/Kg	✱	78	87 - 125
Lead	8600	F1 B	16400	20900	F1	ug/Kg	✱	75	81 - 125
Selenium	200	J	16400	14800		ug/Kg	✱	89	78 - 108
Zinc	38000	F1	16400	42300	F1	ug/Kg	✱	29	85 - 119

Lab Sample ID: 280-182262-1 MS
Matrix: Solid
Analysis Batch: 630466

Client Sample ID: 35-08
Prep Type: Total/NA
Prep Batch: 629930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	14000	F1	16400	28200	F1	ug/Kg	✱	86	90 - 113

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-182262-1 MSD

Matrix: Solid

Analysis Batch: 630384

Client Sample ID: 35-08

Prep Type: Total/NA

Prep Batch: 629930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	46	J	16800	14900		ug/Kg	✱	89	83 - 113	2	20
Arsenic	3800		16800	17900		ug/Kg	✱	84	83 - 111	1	20
Barium	250000		16800	174000	4	ug/Kg	✱	-437	86 - 120	10	20
Cadmium	100		16800	14900		ug/Kg	✱	88	85 - 109	5	20
Chromium	16000	F1 B	16800	27900	F1	ug/Kg	✱	73	87 - 121	0	20
Copper	7900	F1	16800	21000	F1	ug/Kg	✱	78	87 - 125	1	20
Lead	8600	F1 B	16800	21100	F1	ug/Kg	✱	74	81 - 125	1	20
Selenium	200	J	16800	14900		ug/Kg	✱	88	78 - 108	1	20
Zinc	38000	F1	16800	41800	F1	ug/Kg	✱	25	85 - 119	1	20

Lab Sample ID: 280-182262-1 MSD

Matrix: Solid

Analysis Batch: 630466

Client Sample ID: 35-08

Prep Type: Total/NA

Prep Batch: 629930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	14000	F1	16800	27700	F1	ug/Kg	✱	81	90 - 113	2	20

Method: 29B_EC - Conductivity, Electrical

Lab Sample ID: 280-182262-1 DU

Matrix: Solid

Analysis Batch: 126291

Client Sample ID: 35-08

Prep Type: Total/NA

Prep Batch: 125221

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	7400		8860		umho/cm		18	20
Electrical Conductivity	7400		8860		umho/cm		18	20

Lab Sample ID: MB 860-126291/2

Matrix: Solid

Analysis Batch: 126291

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		10	10	umho/cm			10/13/23 15:45	1
Electrical Conductivity	ND		10	10	umho/cm			10/13/23 15:45	1

Lab Sample ID: LCS 860-126291/3

Matrix: Solid

Analysis Batch: 126291

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1410		umho/cm		100	80 - 120
Electrical Conductivity	1410	1410		umho/cm		100	80 - 120

Lab Sample ID: LCSD 860-126291/4

Matrix: Solid

Analysis Batch: 126291

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Specific Conductance	1410	1400		umho/cm		99	80 - 120	1	20
Electrical Conductivity	1410	1400		umho/cm		99	80 - 120	1	20

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QC Sample Results

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Method: 29B_pH - pH

Lab Sample ID: 280-182262-1 DU
Matrix: Solid
Analysis Batch: 126300

Client Sample ID: 35-08
Prep Type: Total/NA
Prep Batch: 125241

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	12	HF	12.0		S.U.		1	20
Temperature	22	HF	21.8		Deg. C		0.5	25

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 860-125424/3-A
Matrix: Solid
Analysis Batch: 126495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.40	0.12	mg/Kg		10/09/23 10:45	10/16/23 11:41	1

Lab Sample ID: LCS 860-125424/4-A
Matrix: Solid
Analysis Batch: 126495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	20.0	20.6		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 860-125424/5-A
Matrix: Solid
Analysis Batch: 126495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125424

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Cr (VI)	20.0	20.7		mg/Kg		104	80 - 120	1	20

Lab Sample ID: 280-182262-1 MS
Matrix: Solid
Analysis Batch: 126495

Client Sample ID: 35-08
Prep Type: Total/NA
Prep Batch: 125424

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.61		20.8	21.0		mg/Kg	✱	98	75 - 125

Lab Sample ID: 280-182262-1 MSD
Matrix: Solid
Analysis Batch: 126495

Client Sample ID: 35-08
Prep Type: Total/NA
Prep Batch: 125424

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Cr (VI)	0.61		20.8	21.2		mg/Kg	✱	99	75 - 125	1	20

Method: D 2216 - Percent Moisture

Lab Sample ID: 280-182262-2 DU
Matrix: Solid
Analysis Batch: 629163

Client Sample ID: 1-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	5.4		5.8		%		7	20

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QC Association Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

GC/MS VOA

Analysis Batch: 629134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-5	14 Wet	Total/NA	Solid	8260D	629196
MB 280-629196/1-A	Method Blank	Total/NA	Solid	8260D	629196
LCS 280-629196/2-A	Lab Control Sample	Total/NA	Solid	8260D	629196
LCSD 280-629196/3-A	Lab Control Sample Dup	Total/NA	Solid	8260D	629196

Prep Batch: 629196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-5	14 Wet	Total/NA	Solid	5030B	
MB 280-629196/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 280-629196/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 280-629196/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 629325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	8260D	629376
280-182262-2	1-14	Total/NA	Solid	8260D	629376
280-182262-3	1-16	Total/NA	Solid	8260D	629376
280-182262-4	14 Baseline	Total/NA	Solid	8260D	629376
MB 280-629376/1-A	Method Blank	Total/NA	Solid	8260D	629376
LCS 280-629376/2-A	Lab Control Sample	Total/NA	Solid	8260D	629376
LCSD 280-629376/3-A	Lab Control Sample Dup	Total/NA	Solid	8260D	629376

Prep Batch: 629376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	5030B	
280-182262-2	1-14	Total/NA	Solid	5030B	
280-182262-3	1-16	Total/NA	Solid	5030B	
280-182262-4	14 Baseline	Total/NA	Solid	5030B	
MB 280-629376/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 280-629376/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 280-629376/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 629897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	3546	
280-182262-2	1-14	Total/NA	Solid	3546	
280-182262-3	1-16	Total/NA	Solid	3546	
280-182262-4	14 Baseline	Total/NA	Solid	3546	
280-182262-5	14 Wet	Total/NA	Solid	3546	
MB 280-629897/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-629897/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 280-629897/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 630122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	8270E SIM	629897
280-182262-2	1-14	Total/NA	Solid	8270E SIM	629897
280-182262-3	1-16	Total/NA	Solid	8270E SIM	629897
280-182262-4	14 Baseline	Total/NA	Solid	8270E SIM	629897

Eurofins Denver

QC Association Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

GC/MS Semi VOA (Continued)

Analysis Batch: 630122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-5	14 Wet	Total/NA	Solid	8270E SIM	629897
MB 280-629897/1-A	Method Blank	Total/NA	Solid	8270E SIM	629897
LCS 280-629897/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM	629897
LCSD 280-629897/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E SIM	629897

GC VOA

Prep Batch: 628905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	5030B	
280-182262-2	1-14	Total/NA	Solid	5030B	
280-182262-3	1-16	Total/NA	Solid	5030B	
280-182262-4	14 Baseline	Total/NA	Solid	5030B	
280-182262-5	14 Wet	Total/NA	Solid	5030B	
MB 280-628905/3-A	Method Blank	Total/NA	Solid	5030B	
LCS 280-628905/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 280-628905/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 629267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	8015D	628905
280-182262-2	1-14	Total/NA	Solid	8015D	628905
280-182262-3	1-16	Total/NA	Solid	8015D	628905
280-182262-4	14 Baseline	Total/NA	Solid	8015D	628905
280-182262-5	14 Wet	Total/NA	Solid	8015D	628905
MB 280-628905/3-A	Method Blank	Total/NA	Solid	8015D	628905
LCS 280-628905/1-A	Lab Control Sample	Total/NA	Solid	8015D	628905
LCSD 280-628905/2-A	Lab Control Sample Dup	Total/NA	Solid	8015D	628905

GC Semi VOA

Prep Batch: 628595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	3546	
280-182262-2	1-14	Total/NA	Solid	3546	
280-182262-3	1-16	Total/NA	Solid	3546	
280-182262-4	14 Baseline	Total/NA	Solid	3546	
280-182262-5	14 Wet	Total/NA	Solid	3546	
MB 280-628595/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-628595/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 280-628595/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 628978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	8015D	628595
280-182262-2	1-14	Total/NA	Solid	8015D	628595
280-182262-3	1-16	Total/NA	Solid	8015D	628595
280-182262-4	14 Baseline	Total/NA	Solid	8015D	628595
280-182262-5	14 Wet	Total/NA	Solid	8015D	628595
MB 280-628595/1-A	Method Blank	Total/NA	Solid	8015D	628595
LCS 280-628595/2-A	Lab Control Sample	Total/NA	Solid	8015D	628595
LCSD 280-628595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	628595

Eurofins Denver

QC Association Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Metals

Prep Batch: 126584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Soluble	Solid	29B	
280-182262-2	1-14	Soluble	Solid	29B	
280-182262-3	1-16	Soluble	Solid	29B	
280-182262-4	14 Baseline	Soluble	Solid	29B	
280-182262-5	14 Wet	Soluble	Solid	29B	

Analysis Batch: 126910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Soluble	Solid	29B SAR	126584
280-182262-2	1-14	Soluble	Solid	29B SAR	126584
280-182262-3	1-16	Soluble	Solid	29B SAR	126584
280-182262-4	14 Baseline	Soluble	Solid	29B SAR	126584
280-182262-5	14 Wet	Soluble	Solid	29B SAR	126584

Prep Batch: 629930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	3050B	
280-182262-1	35-08	Total/NA	Solid	3050B	
280-182262-2	1-14	Total/NA	Solid	3050B	
280-182262-3	1-16	Total/NA	Solid	3050B	
280-182262-4	14 Baseline	Total/NA	Solid	3050B	
280-182262-5	14 Wet	Total/NA	Solid	3050B	
MB 280-629930/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-629930/21-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 280-629930/2-A	Lab Control Sample	Total/NA	Solid	3050B	
280-182262-1 MS	35-08	Total/NA	Solid	3050B	
280-182262-1 MS	35-08	Total/NA	Solid	3050B	
280-182262-1 MSD	35-08	Total/NA	Solid	3050B	
280-182262-1 MSD	35-08	Total/NA	Solid	3050B	

Analysis Batch: 630384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	6020B	629930
280-182262-2	1-14	Total/NA	Solid	6020B	629930
280-182262-3	1-16	Total/NA	Solid	6020B	629930
280-182262-4	14 Baseline	Total/NA	Solid	6020B	629930
280-182262-5	14 Wet	Total/NA	Solid	6020B	629930
MB 280-629930/1-A	Method Blank	Total/NA	Solid	6020B	629930
LCS 280-629930/21-A	Lab Control Sample	Total/NA	Solid	6020B	629930
280-182262-1 MS	35-08	Total/NA	Solid	6020B	629930
280-182262-1 MSD	35-08	Total/NA	Solid	6020B	629930

Analysis Batch: 630466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	6020B	629930
280-182262-2	1-14	Total/NA	Solid	6020B	629930
280-182262-3	1-16	Total/NA	Solid	6020B	629930
280-182262-4	14 Baseline	Total/NA	Solid	6020B	629930
280-182262-5	14 Wet	Total/NA	Solid	6020B	629930
MB 280-629930/1-A	Method Blank	Total/NA	Solid	6020B	629930
LCS 280-629930/21-A	Lab Control Sample	Total/NA	Solid	6020B	629930

Eurofins Denver

QC Association Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Metals (Continued)

Analysis Batch: 630466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1 MS	35-08	Total/NA	Solid	6020B	629930
280-182262-1 MSD	35-08	Total/NA	Solid	6020B	629930

Analysis Batch: 630471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	6010D	629930
280-182262-2	1-14	Total/NA	Solid	6010D	629930
280-182262-3	1-16	Total/NA	Solid	6010D	629930
280-182262-4	14 Baseline	Total/NA	Solid	6010D	629930
280-182262-5	14 Wet	Total/NA	Solid	6010D	629930
MB 280-629930/1-A	Method Blank	Total/NA	Solid	6010D	629930
LCS 280-629930/2-A	Lab Control Sample	Total/NA	Solid	6010D	629930
280-182262-1 MS	35-08	Total/NA	Solid	6010D	629930
280-182262-1 MSD	35-08	Total/NA	Solid	6010D	629930

General Chemistry

Prep Batch: 125221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	29B	
280-182262-2	1-14	Total/NA	Solid	29B	
280-182262-3	1-16	Total/NA	Solid	29B	
280-182262-4	14 Baseline	Total/NA	Solid	29B	
280-182262-5	14 Wet	Total/NA	Solid	29B	
280-182262-1 DU	35-08	Total/NA	Solid	29B	

Prep Batch: 125241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	29B	
280-182262-2	1-14	Total/NA	Solid	29B	
280-182262-3	1-16	Total/NA	Solid	29B	
280-182262-4	14 Baseline	Total/NA	Solid	29B	
280-182262-5	14 Wet	Total/NA	Solid	29B	
280-182262-1 DU	35-08	Total/NA	Solid	29B	

Prep Batch: 125424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	3060A	
280-182262-2	1-14	Total/NA	Solid	3060A	
280-182262-3	1-16	Total/NA	Solid	3060A	
280-182262-4	14 Baseline	Total/NA	Solid	3060A	
280-182262-5	14 Wet	Total/NA	Solid	3060A	
MB 860-125424/3-A	Method Blank	Total/NA	Solid	3060A	
LCS 860-125424/4-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSD 860-125424/5-A	Lab Control Sample Dup	Total/NA	Solid	3060A	
280-182262-1 MS	35-08	Total/NA	Solid	3060A	
280-182262-1 MSD	35-08	Total/NA	Solid	3060A	

Prep Batch: 126257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	Sat Paste Ext	125221

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QC Association Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

General Chemistry (Continued)

Prep Batch: 126257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-2	1-14	Total/NA	Solid	Sat Paste Ext	125221
280-182262-3	1-16	Total/NA	Solid	Sat Paste Ext	125221
280-182262-4	14 Baseline	Total/NA	Solid	Sat Paste Ext	125221
280-182262-5	14 Wet	Total/NA	Solid	Sat Paste Ext	125221
280-182262-1 DU	35-08	Total/NA	Solid	Sat Paste Ext	125221

Analysis Batch: 126291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	29B_EC	126257
280-182262-2	1-14	Total/NA	Solid	29B_EC	126257
280-182262-3	1-16	Total/NA	Solid	29B_EC	126257
280-182262-4	14 Baseline	Total/NA	Solid	29B_EC	126257
280-182262-5	14 Wet	Total/NA	Solid	29B_EC	126257
MB 860-126291/2	Method Blank	Total/NA	Solid	29B_EC	
LCS 860-126291/3	Lab Control Sample	Total/NA	Solid	29B_EC	
LCSD 860-126291/4	Lab Control Sample Dup	Total/NA	Solid	29B_EC	
280-182262-1 DU	35-08	Total/NA	Solid	29B_EC	126257

Prep Batch: 126298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	Sat Paste Ext	125241
280-182262-2	1-14	Total/NA	Solid	Sat Paste Ext	125241
280-182262-3	1-16	Total/NA	Solid	Sat Paste Ext	125241
280-182262-4	14 Baseline	Total/NA	Solid	Sat Paste Ext	125241
280-182262-5	14 Wet	Total/NA	Solid	Sat Paste Ext	125241
280-182262-1 DU	35-08	Total/NA	Solid	Sat Paste Ext	125241

Analysis Batch: 126300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	29B_pH	126298
280-182262-2	1-14	Total/NA	Solid	29B_pH	126298
280-182262-3	1-16	Total/NA	Solid	29B_pH	126298
280-182262-4	14 Baseline	Total/NA	Solid	29B_pH	126298
280-182262-5	14 Wet	Total/NA	Solid	29B_pH	126298
280-182262-1 DU	35-08	Total/NA	Solid	29B_pH	126298

Analysis Batch: 126495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	7196A	125424
280-182262-2	1-14	Total/NA	Solid	7196A	125424
280-182262-3	1-16	Total/NA	Solid	7196A	125424
280-182262-4	14 Baseline	Total/NA	Solid	7196A	125424
280-182262-5	14 Wet	Total/NA	Solid	7196A	125424
MB 860-125424/3-A	Method Blank	Total/NA	Solid	7196A	125424
LCS 860-125424/4-A	Lab Control Sample	Total/NA	Solid	7196A	125424
LCSD 860-125424/5-A	Lab Control Sample Dup	Total/NA	Solid	7196A	125424
280-182262-1 MS	35-08	Total/NA	Solid	7196A	125424
280-182262-1 MSD	35-08	Total/NA	Solid	7196A	125424

Eurofins Denver

QC Association Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

General Chemistry

Analysis Batch: 629163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182262-1	35-08	Total/NA	Solid	D 2216	
280-182262-2	1-14	Total/NA	Solid	D 2216	
280-182262-3	1-16	Total/NA	Solid	D 2216	
280-182262-4	14 Baseline	Total/NA	Solid	D 2216	
280-182262-5	14 Wet	Total/NA	Solid	D 2216	
280-182262-2 DU	1-14	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 35-08

Date Collected: 10/02/23 10:00

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	29B			100 g	100 mL	126584	10/16/23 17:56	PB	EET HOU
Soluble	Analysis	29B SAR		1			126910	10/18/23 11:50	JDM	EET HOU
Total/NA	Prep	29B			33.41 g	33.10 g	125221	10/06/23 12:04	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			30.10 g	30 mL	126257	10/13/23 14:12	KEG	EET HOU
Total/NA	Analysis	29B_EC		1			126291	10/13/23 15:45	KEG	EET HOU
Total/NA	Prep	29B			20.09 g	20.00 g	125241	10/06/23 13:09	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			20.00 g	20 mL	126298	10/13/23 15:59	KEG	EET HOU
Total/NA	Analysis	29B_pH		1			126300	10/13/23 16:01	KEG	EET HOU
Total/NA	Analysis	D 2216		1			629163	10/10/23 12:08	SL	EET DEN

Client Sample ID: 35-08

Date Collected: 10/02/23 10:00

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-1

Matrix: Solid

Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.972 g	5 mL	629376	10/11/23 13:28	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	629325	10/11/23 15:51	JLS	EET DEN
Total/NA	Prep	3546			15.26 g	1 mL	629897	10/16/23 16:26	DN	EET DEN
Total/NA	Analysis	8270E SIM		1	200 uL	200 uL	630122	10/18/23 10:35	DCM	EET DEN
Total/NA	Prep	5030B			5.286 g	5 mL	628905	10/07/23 13:26	SJD	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	629267	10/07/23 16:31	SJD	EET DEN
Total/NA	Prep	3546			7.5 g	1 mL	628595	10/05/23 16:37	JC	EET DEN
Total/NA	Analysis	8015D		1			628978	10/10/23 01:10	KA	EET DEN
Total/NA	Prep	3050B			1.302 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6010D		1			630471	10/19/23 15:38	ADL	EET DEN
Total/NA	Prep	3050B			1.167 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		1			630384	10/19/23 03:09	LMT	EET DEN
Total/NA	Prep	3050B			1.167 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		10			630466	10/19/23 17:48	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	125424	10/09/23 10:45	SCI	EET HOU
Total/NA	Analysis	7196A		1	25 mL	25 mL	126495	10/16/23 11:41	SCI	EET HOU

Client Sample ID: 1-14

Date Collected: 10/02/23 10:20

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	29B			100 g	100 mL	126584	10/16/23 17:56	PB	EET HOU
Soluble	Analysis	29B SAR		1			126910	10/18/23 11:50	JDM	EET HOU
Total/NA	Prep	29B			31.75 g	31.02 g	125221	10/06/23 12:04	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			29.80 g	30 mL	126257	10/13/23 14:12	KEG	EET HOU
Total/NA	Analysis	29B_EC		1			126291	10/13/23 15:45	KEG	EET HOU
Total/NA	Prep	29B			22.12 g	21.10 g	125241	10/06/23 13:09	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			20.00 g	20 mL	126298	10/13/23 15:59	KEG	EET HOU
Total/NA	Analysis	29B_pH		1			126300	10/13/23 16:01	KEG	EET HOU

Eurofins Denver

Lab Chronicle

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 1-14

Lab Sample ID: 280-182262-2

Date Collected: 10/02/23 10:20

Matrix: Solid

Date Received: 10/03/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			629163	10/10/23 12:08	SL	EET DEN

Client Sample ID: 1-14

Lab Sample ID: 280-182262-2

Date Collected: 10/02/23 10:20

Matrix: Solid

Date Received: 10/03/23 11:30

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.026 g	5 mL	629376	10/11/23 13:28	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	629325	10/11/23 16:16	JLS	EET DEN
Total/NA	Prep	3546			15.23 g	1 mL	629897	10/16/23 16:26	DN	EET DEN
Total/NA	Analysis	8270E SIM		1	200 uL	200 uL	630122	10/18/23 11:00	DCM	EET DEN
Total/NA	Prep	5030B			5.479 g	5 mL	628905	10/07/23 13:26	SJD	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	629267	10/07/23 16:55	SJD	EET DEN
Total/NA	Prep	3546			7.6 g	1 mL	628595	10/05/23 16:37	JC	EET DEN
Total/NA	Analysis	8015D		1			628978	10/10/23 01:32	KA	EET DEN
Total/NA	Prep	3050B			1.286 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6010D		1			630471	10/19/23 15:58	ADL	EET DEN
Total/NA	Prep	3050B			1.286 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		1			630384	10/19/23 03:27	LMT	EET DEN
Total/NA	Prep	3050B			1.286 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		10			630466	10/19/23 17:59	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	125424	10/09/23 10:45	SCI	EET HOU
Total/NA	Analysis	7196A		1	25 mL	25 mL	126495	10/16/23 11:41	SCI	EET HOU

Client Sample ID: 1-16

Lab Sample ID: 280-182262-3

Date Collected: 10/02/23 10:35

Matrix: Solid

Date Received: 10/03/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	29B			100 g	100 mL	126584	10/16/23 17:56	PB	EET HOU
Soluble	Analysis	29B SAR		1			126910	10/18/23 11:50	JDM	EET HOU
Total/NA	Prep	29B			32.13 g	30.85 g	125221	10/06/23 12:04	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			29.90 g	30 mL	126257	10/13/23 14:12	KEG	EET HOU
Total/NA	Analysis	29B_EC		1			126291	10/13/23 15:45	KEG	EET HOU
Total/NA	Prep	29B			23.15 g	22.58 g	125241	10/06/23 13:09	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			20.00 g	20 mL	126298	10/13/23 15:59	KEG	EET HOU
Total/NA	Analysis	29B_pH		1			126300	10/13/23 16:01	KEG	EET HOU
Total/NA	Analysis	D 2216		1			629163	10/10/23 12:08	SL	EET DEN

Lab Chronicle

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 1-16

Date Collected: 10/02/23 10:35

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-3

Matrix: Solid

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.061 g	5 mL	629376	10/11/23 13:28	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	629325	10/11/23 16:41	JLS	EET DEN
Total/NA	Prep	3546			15.46 g	1 mL	629897	10/16/23 16:26	DN	EET DEN
Total/NA	Analysis	8270E SIM		1	200 uL	200 uL	630122	10/18/23 11:24	DCM	EET DEN
Total/NA	Prep	5030B			5.025 g	5 mL	628905	10/07/23 13:26	SJD	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	629267	10/07/23 17:18	SJD	EET DEN
Total/NA	Prep	3546			7.6 g	1 mL	628595	10/05/23 16:37	JC	EET DEN
Total/NA	Analysis	8015D		1			628978	10/10/23 01:55	KA	EET DEN
Total/NA	Prep	3050B			1.428 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6010D		1			630471	10/19/23 16:02	ADL	EET DEN
Total/NA	Prep	3050B			1.428 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		1			630384	10/19/23 03:30	LMT	EET DEN
Total/NA	Prep	3050B			1.428 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		10			630466	10/19/23 18:02	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	125424	10/09/23 10:45	SCI	EET HOU
Total/NA	Analysis	7196A		1	25 mL	25 mL	126495	10/16/23 11:41	SCI	EET HOU

Client Sample ID: 14 Baseline

Date Collected: 10/02/23 10:55

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	29B			100 g	100 mL	126584	10/16/23 17:56	PB	EET HOU
Soluble	Analysis	29B SAR		1			126910	10/18/23 11:50	JDM	EET HOU
Total/NA	Prep	29B			30.82 g	30.37 g	125221	10/06/23 12:04	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			30.00 g	30 mL	126257	10/13/23 14:12	KEG	EET HOU
Total/NA	Analysis	29B_EC		1			126291	10/13/23 15:45	KEG	EET HOU
Total/NA	Prep	29B			22.58 g	22.00 g	125241	10/06/23 13:09	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			20.00 g	20 mL	126298	10/13/23 15:59	KEG	EET HOU
Total/NA	Analysis	29B_pH		1			126300	10/13/23 16:01	KEG	EET HOU
Total/NA	Analysis	D 2216		1			629163	10/10/23 12:08	SL	EET DEN

Client Sample ID: 14 Baseline

Date Collected: 10/02/23 10:55

Date Received: 10/03/23 11:30

Lab Sample ID: 280-182262-4

Matrix: Solid

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.020 g	5 mL	629376	10/11/23 13:28	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	629325	10/11/23 17:05	JLS	EET DEN
Total/NA	Prep	3546			15.31 g	1 mL	629897	10/16/23 16:26	DN	EET DEN
Total/NA	Analysis	8270E SIM		1	200 uL	200 uL	630122	10/18/23 11:48	DCM	EET DEN
Total/NA	Prep	5030B			5.201 g	5 mL	628905	10/07/23 13:26	SJD	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	629267	10/07/23 17:42	SJD	EET DEN
Total/NA	Prep	3546			7.6 g	1 mL	628595	10/05/23 16:37	JC	EET DEN
Total/NA	Analysis	8015D		1			628978	10/10/23 02:17	KA	EET DEN

Eurofins Denver

Lab Chronicle

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Client Sample ID: 14 Baseline

Lab Sample ID: 280-182262-4

Date Collected: 10/02/23 10:55

Matrix: Solid

Date Received: 10/03/23 11:30

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.355 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6010D		1			630471	10/19/23 16:06	ADL	EET DEN
Total/NA	Prep	3050B			1.355 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		1			630384	10/19/23 03:34	LMT	EET DEN
Total/NA	Prep	3050B			1.355 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		10			630466	10/19/23 18:08	LMT	EET DEN
Total/NA	Prep	3060A			2.51 g	100 mL	125424	10/09/23 10:45	SCI	EET HOU
Total/NA	Analysis	7196A		1	25 mL	25 mL	126495	10/16/23 11:41	SCI	EET HOU

Client Sample ID: 14 Wet

Lab Sample ID: 280-182262-5

Date Collected: 10/02/23 11:05

Matrix: Solid

Date Received: 10/03/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	29B			100 g	100 mL	126584	10/16/23 17:56	PB	EET HOU
Soluble	Analysis	29B SAR		1			126910	10/18/23 11:50	JDM	EET HOU
Total/NA	Prep	29B			31.63 g	30.92 g	125221	10/06/23 12:04	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			29.80 g	30 mL	126257	10/13/23 14:12	KEG	EET HOU
Total/NA	Analysis	29B_EC		1			126291	10/13/23 15:45	KEG	EET HOU
Total/NA	Prep	29B			21.58 g	21.05 g	125241	10/06/23 13:09	KEG	EET HOU
Total/NA	Prep	Sat Paste Ext			20.00 g	20 mL	126298	10/13/23 15:59	KEG	EET HOU
Total/NA	Analysis	29B_pH		1			126300	10/13/23 16:01	KEG	EET HOU
Total/NA	Analysis	D 2216		1			629163	10/10/23 12:08	SL	EET DEN

Client Sample ID: 14 Wet

Lab Sample ID: 280-182262-5

Date Collected: 10/02/23 11:05

Matrix: Solid

Date Received: 10/03/23 11:30

Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.907 g	5 mL	629196	10/10/23 12:59	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	629134	10/10/23 18:43	JLS	EET DEN
Total/NA	Prep	3546			15.66 g	1 mL	629897	10/16/23 16:26	DN	EET DEN
Total/NA	Analysis	8270E SIM		1	200 uL	200 uL	630122	10/18/23 12:13	DCM	EET DEN
Total/NA	Prep	5030B			5.642 g	5 mL	628905	10/07/23 13:26	SJD	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	629267	10/07/23 18:06	SJD	EET DEN
Total/NA	Prep	3546			7.5 g	1 mL	628595	10/05/23 16:37	JC	EET DEN
Total/NA	Analysis	8015D		1			628978	10/10/23 02:40	KA	EET DEN
Total/NA	Prep	3050B			1.106 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6010D		1			630471	10/19/23 16:22	ADL	EET DEN
Total/NA	Prep	3050B			1.106 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		1			630384	10/19/23 03:45	LMT	EET DEN
Total/NA	Prep	3050B			1.106 g	100 mL	629930	10/18/23 08:43	MSM	EET DEN
Total/NA	Analysis	6020B		10			630466	10/19/23 18:10	LMT	EET DEN
Total/NA	Prep	3060A			2.53 g	100 mL	125424	10/09/23 10:45	SCI	EET HOU
Total/NA	Analysis	7196A		1	25 mL	25 mL	126495	10/16/23 11:41	SCI	EET HOU

Eurofins Denver

Lab Chronicle

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Laboratory References:
EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Accreditation/Certification Summary

Client: Twin Landfill Corporation
Project/Site: Desert Eagle

Job ID: 280-182262-1

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-23
A2LA	ISO/IEC 17025	2907.01	10-31-23
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-10-24
Arizona	State	AZ0713	12-20-23
Arkansas DEQ	State	19-047-0	05-31-23 *
California	State	2513	01-09-24
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24
Georgia	State	4025-011	01-08-24
Illinois	NELAP	2000172019-1	04-30-24
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-24
Kentucky (WW)	State	KY98047	12-31-23
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-23 *
Louisiana (All)	NELAP	30785	06-30-24
Minnesota	NELAP	1788752	12-31-23
Nevada	State	CO000262020-1	07-31-24
New Hampshire	NELAP	2053	04-28-24
New Jersey	NELAP	230001	06-30-24
New York	NELAP	59923	03-31-24
North Carolina (WW/SW)	State	358	12-31-23
North Dakota	State	R-034	01-08-24
Oklahoma	NELAP	8614	08-31-24
Oregon	NELAP	4025-019	01-08-24
Pennsylvania	NELAP	013	07-31-24
South Carolina	State	72002001	01-08-24
Texas	NELAP	TX104704183-08-TX	09-30-09 *
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-23 *
Virginia	NELAP	460232	06-14-24
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-23
Wisconsin	State	999615430	08-31-24
Wyoming (UST)	A2LA	2907.01	10-31-22 *

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215-23-53	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Denver

Environment Testing

/er: 01/16/2019

Login Sample Receipt Checklist

Client: Twin Landfill Corporation

Job Number: 280-182262-1

Login Number: 182262

List Source: Eurofins Denver

List Number: 1

Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
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.	False	IDs on containers do not match the COC. Logged in per COC.
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Twin Landfill Corporation

Job Number: 280-182262-1

Login Number: 182262

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 10/05/23 12:17 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	True	
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").	True	