FULCRUM
environmental consulting

June 9, 2021

Washington State Department of Ecology
Attn: Ted Uecker
1026 W. Broadway Avenue
Spokane, WA, 99260

Re: Sundance Golf Course – Agricultural Chemicals Soil Sampling

Dear Mr. Uecker:

Fulcrum Environmental Consulting (Fulcrum) has received and reviewed Ecology's opinion letter dated May 19, 2021, recommending additional agricultural chemical soil samples for the former Sundance Golf Course. To-date Fulcrum has collected 187 near-surface soil samples investigating for the presence of heavy metals (lead, mercury, arsenic, and cadmium). Testing results identified six (6) localized areas of mercury impact on putting greens, likely associated with historical use of a mercury-based fungicide. These locations have been fully remediated through excavation.

Supplemental Testing

In consideration of Ecology's concerns regarding the potential for additional agricultural chemical impacts, Fulcrum collected six (6) characterization samples: three (3) samples from representative greens and three (3) from representative fairway locations. See Attachment 1 for a presentation of previous and proposed soil sample locations. Fulcrum submitted all six (6) samples to Test America for analysis for the following analysis: organochlorine pesticides (Method 8081B); organophosphorus compounds (Method 8141B); herbicides (Method 8151A); and RCRA 8 metals. (Method 6020/7471). Analytical Results are summarized in Table 1 with full analytical results presented in Attachment 2.

Table 1: April 22, 2021 - Surface Soil Sample Results in ppm (mg/kg)

Sample #		As	Ba	Cd	Cr	Pb	Se	Ag	Hg	Organo-chlorine Pesticides	Organo-phosphorus Compounds	Herbicides
1	SGC-042221-PH-01	15	72	ND	15	20	2.5	0.79	0.31	0.05 Chlordane	ND	ND
2	SGC-042221-PH-02	8.3	93	ND	13	10	2.1	ND	ND	ND	ND	ND
3	SGC-042221-PH-03	10	48	ND	15	9.9	1.6	0.30	**2.6**	0.34 Chlordane	ND	ND

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Sample #		As	Ba	Cd	Cr	Pb	Se	Ag	Hg	Organo-chlorine Pesticides	Organo-phosphorus Compounds	Herbicides
4	SGC-042221-PH-04	9.3	110	ND	14	10	2.2	ND	ND	ND	ND	ND
5	SGC-042221-PH-05	16	61	ND	19	10	1.8	ND	**4.1**	0.15 Chlordane	ND	ND
6	SGC-042221-PH-06	8.3	100	ND	12	11	2.6	ND	ND	ND	ND	ND
MTCA Method A Cleanup Level (mg/Kg)		**20**	**16,000**	**2**	**2,000**	**250**	**400**	**400**	**2**	**2.9 Chlordane**	**Varies**	**Varies**

Bolded concentrations were found above applicable cleanup levels

No new agricultural chemicals were identified above applicable cleanup levels. Mercury was detected above Method A cleanup levels in two (2) additional green locations. These two (2) locations are scheduled for remediation through excavation next week.

The chromium concentration of 19 mg/kg identified for sample SGC-042221-PH-05 was below the MTCA Method A cleanup level for total chromium of 2,000 mg/Kg and was identified through speciation as non-detect for hexavalent chromium which has a MTCA Method A Cleanup Level of 19 mg/Kg.

One organochlorine pesticide, Chlordane, was identified at detectable concentrations below the applicable cleanup level. No organophosphorus or herbicides were detected in any of the six (6) samples.

Following preliminary review of the results, Ecology recommended sampling for Organochlorine Pesticides to bring the total sampling number to 20 samples with targeted sampling of low-lying areas where runoff water may have concentrated residual agricultural chemicals. Ecology recommended testing the samples for mercury as well.

Proposed Final Testing

Fulcrum proposes to conduct near-surface soil sampling for organochlorine pesticides and mercury in 14 additional low-lying locations as presented on Attachment 1. Presuming results are all below applicable cleanup levels, Fulcrum would plan to prepare and submit a soil investigation and remediation summary report through the Voluntary Cleanup Program with a request for a No Further Action (NFA) determination.

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Fulcrum does not anticipate that Ecology would be prepared to comment on the likelihood of a NFA determination for the project prior to receiving and reviewing final reporting, but if there are any known concerns not addressed by current or planned investigation or remediation, please let us know.

Sincerely,

Travis Trent, PG, CIH
Principal

Attachments

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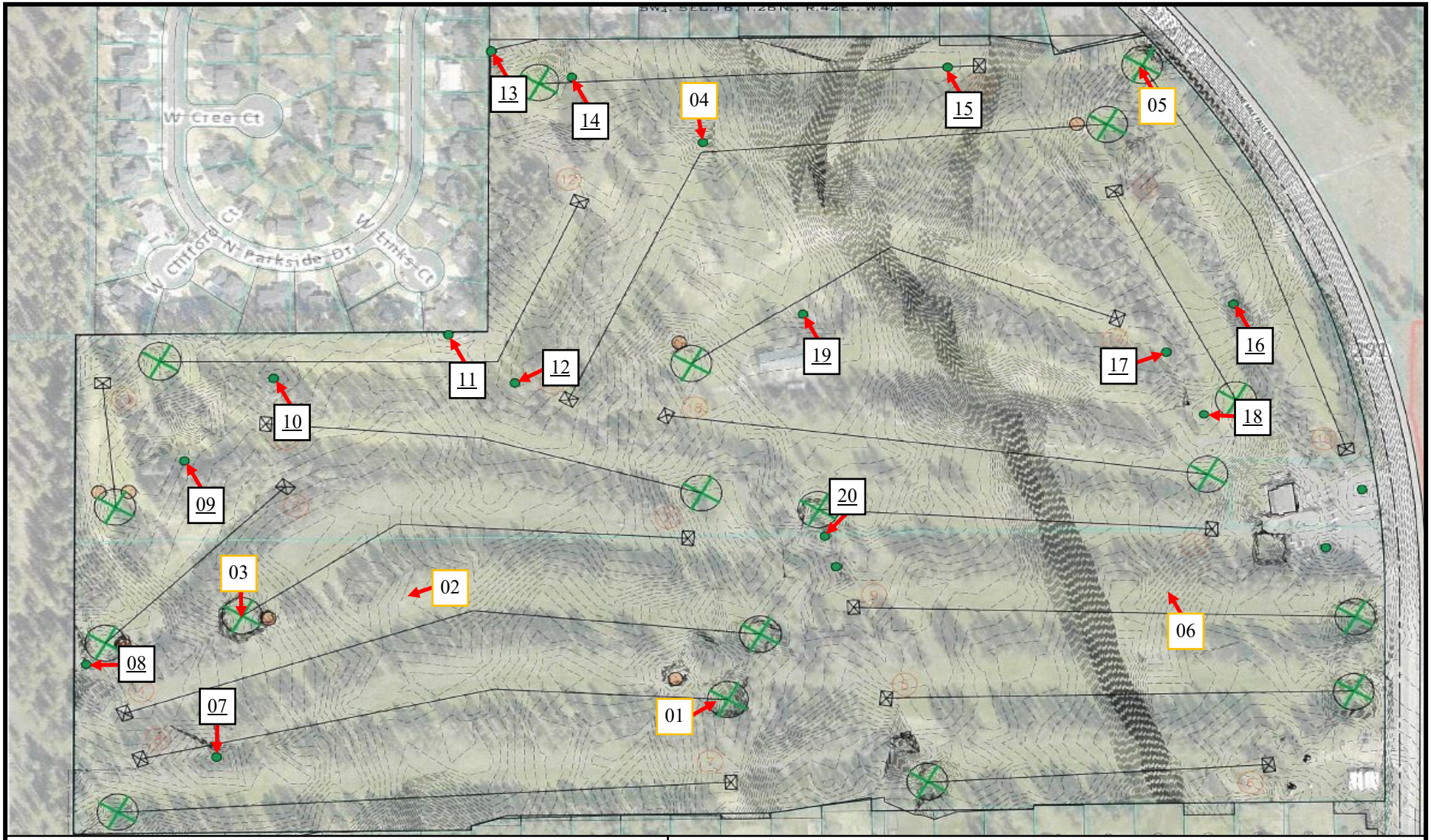

LEGEND

- 00 — 4.22.21 Soil Sample Location
- 00 — Proposed Soil Sample Locations
- Sand Trap
- Putting Green
- Low Spot Area of Potential Standing Water
- Tee Box

Figure 1: Agricultural Chemicals Soil Sample Location Map, Sundance Golf Course, Nine Mile Falls, Washington

FULCRUM environmental consulting

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Map By: Scott Groat

Project Number: 192860.03

Date Updated: 06/04/2021

Reviewed By: Travis Trent

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-15094-1
Client Project/Site: Kinney Sundance/192860.03

For:
Fulcrum Environmental
207 West Boone Avenue
Spokane, Washington 99201

Attn: Scott Groat

Randee Arrington

Authorized for release by:
6/2/2021 7:21:13 AM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@Eurofinset.com

Table of Contents

Job ID: 590-15094-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt
The samples were received on 5/7/2021 4:46 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8º C.

GC Semi VOA
Methods 8081B: In preparation batch 280-535796 and analytical batch 280-536567, the following samples were diluted due to the color of the extracts, which indicates matrix: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6). Elevated reporting limits (RL) are provided. Analysis at a lesser dilution would contaminate the instrument.

Method 8081B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-535796 and analytical batch 280-536567 recovered outside control limits high for all of the target analytes in the LCS and the following analytes in the LCSD: trans-Chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Endrin ketone, beta-BHC, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, delta-BHC, gamma-BHC (Lindane), Heptachlor, Heptachlor epoxide, Dieldrin, Methoxychlor and cis-Chlordane. These analytes were biased high in the LCS and LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 280-536567 recovered above the upper control limit (20%) on the front column for Endosulfan II, Endosulfan sulfate, Endrin aldehyde, Endrin ketone, 4,4'-DDD, 4,4'-DDT Endrin, Heptachlor, Methoxychlor and Toxaphene Peak 4 and on the back column for Endrin ketone, Toxaphene Peak 4 and Toxaphene Peak 5 but the average of the five Toxaphene Peaks on the front and back column were within limits and the targets were reported as non-detect in the samples. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-06 (590-15094-6), (CCV 280-536567/30) and (CCV 280-536567/31).

Method 8081B: In preparation batch 280-535796 and analytical batch 280-536653, the following sample was diluted due to the color of the extract, which indicates matrix: SGC-042221-PH-03 (590-15094-3). Elevated reporting limits (RL) are provided.

Method 8081B: The continuing calibration verification (CCV) associated with batch 280-536653 recovered above the upper control limit (15%) on the front and low on the back column for Toxaphene and Toxaphene Peak 4; on the front column for 4,4'-DDD, Methoxychlor, Endrin ketone, Endrin, and Dieldrin; and on the back column low for Tetrachloro-m-xylene Toxaphene Peak 5 and Toxaphene Peak 1 but results were within limits in the LCS/LCSD except for 4,4'-DDD, Endosulfan II and Endosulfan sulfate, and the targets were non-detect in the associated samples. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-03 (590-15094-3), (CCV 280-536653/17), (CCV 280-536653/19) and (CCVIS 280-536653/6).

Method 8081B: In preparation batch 280-535796 and analytical batch 280-537235, the following samples were diluted due to the color of the extract and/ or excessive sulfur present in the extract: SGC-042221-PH-01 (590-15094-1) and SGC-042221-PH-05 (590-15094-5). Elevated reporting limits (RL) are provided. Analysis at a lesser dilution would contaminate the instrument.

Method 8081B: In preparation batch 280-535796 and analytical batch 280-537235, the following sample required a dilution due to the nature of the sample matrix: SGC-042221-PH-05 (590-15094-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-535796 and analytical batch 280-537235 recovered outside control limits for the following analytes: Endosulfan II (60%-100%) at 104% and 106%, Endosulfan sulfate (63%-105%) at 107% and 109%, Endrin (62%-111%) at 115% and 117%, Endrin aldehyde (53%-88%) at 112% and 113%, Endrin ketone (62%-98%) at 113% and 117%, 4,4'-DDD (63%-104%) at 110% and 112%, 4,4'-DDT (63%-106%) at 119% and 120%, Heptachlor (59%-109%) in the LCSD at 111% and Methoxychlor (62%-110%) at 151% and 154%. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 280-537235 recovered above the upper control limit (20%) on the front and back column for 4,4'-DDT, Endrin, Endrin ketone, Methoxychlor and Toxaphene Peak 5; on the front column for Toxaphene Peak 4, Endrin aldehyde, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, Heptachlor; and on the back column for Toxaphene

Job ID: 590-15094-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

Peak 2 but results were non-detect in the associated samples and the average for the peaks of Toxaphene was within limits. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-05 (590-15094-5), (CCV 280-537235/19), (CCV 280-537235/21), (CCV 280-537235/5) and (CCVIS 280-537235/7).

Method 8081B: The following sample required a dilution due to the nature of the sample matrix: SGC-042221-PH-03 (590-15094-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8151A: The initial calibration verification (ICV) result for batch 280-536748 was below the lower control limit for 2,4,5-T and above the upper control limit for 2,4-D & 2,4-DB on the confirmation (back) column. Sample results were reported from the in control primary column. The associated samples are affected: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6).

Method 8151A: The continuing calibration verification (CCV) associated with batch 280-536748 recovered above the upper control limit for 2,4,5-T, 2,4-DB, Dalapon and Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6).

Method 8151A: The following samples in preparation batch 280-535795 and analytical batch 280-536748 were diluted due to the nature of the sample matrix: SGC-042221-PH-01 (590-15094-1) and SGC-042221-PH-02 (590-15094-2). Elevated reporting limits (RLs) are provided. The samples were diluted due to the yellow color of the extract.

Method 8141B: The following samples in preparation batch 280-536038 and analytical batch 280-537125 were diluted due to dark color and the nature of the sample matrix: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3) and SGC-042221-PH-05 (590-15094-5). Elevated reporting limits (RLs) are provided.

Methods 8141B: The initial calibration verification (ICV) result for batch 280-537125 was above the upper control limit on the back column for Simazine +40 limit 20 the front column was in control. Data is reported from the in control column. SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6)

Method 8141B: The laboratory control sample (LCS) for preparation batch 280-536038 and analytical batch 280-537125 recovered outside control limits for the following analytes: Simazine 125% limit 38-115. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Methods 8141B: The matrix spike duplicate (MSD) recoveries for preparation batch 280-536038 and analytical batch 280-537125 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

Organic Prep
Method 8151A: Insufficient sample (SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6)) volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-535795 for method 8151A_SP/8151A.

Job ID: 590-15094-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

Method 3546: Insufficient sample (SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6)) volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-535796 for method 3546/8081.

Method 3540C: Extract had lower than normal amount of MeCl2 present when taken off hot plate. Extraction vessel was rinsed thoroughly before moving to concentration.

SGC-042221-PH-03 (590-15094-3)

Method 3546_8081B: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-03 (590-15094-3) and SGC-042221-PH-05 (590-15094-5) preparation batch 280-535796.

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

Sample Summary

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15094-1	SGC-042221-PH-01	Solid	05/07/21 14:30	05/07/21 16:46	
590-15094-2	SGC-042221-PH-02	Solid	05/07/21 14:40	05/07/21 16:46	
590-15094-3	SGC-042221-PH-03	Solid	05/07/21 14:52	05/07/21 16:46	
590-15094-4	SGC-042221-PH-04	Solid	05/07/21 14:55	05/07/21 16:46	
590-15094-5	SGC-042221-PH-05	Solid	05/07/21 15:11	05/07/21 16:46	
590-15094-6	SGC-042221-PH-06	Solid	05/07/21 15:28	05/07/21 16:46	

Definitions/Glossary

Client: Fulcrum Environmental
Job ID: 590-15094-1
Project/Site: Kinney Sundance/192860.03

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
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.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-01
Date Collected: 05/07/21 14:30
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-1
Matrix: Solid
Percent Solids: 91.3

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Endosulfan II	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Endosulfan sulfate	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Endrin	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Endrin ketone	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
beta-BHC	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
alpha-BHC	ND	*1	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
delta-BHC	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
gamma-BHC (Lindane)	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
trans-Chlordane	**27**		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
4,4'-DDD	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
4,4'-DDE	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
4,4'-DDT	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Heptachlor	ND	*+	7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Heptachlor epoxide	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Dieldrin	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Aldrin	ND		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Methoxychlor	ND	*+	14		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
Toxaphene	ND		280		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
cis-Chlordane	**24**		7.0		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*63 - 124*	*05/12/21 10:24*	*05/24/21 16:44*	*2*
Tetrachloro-m-xylene	*70*		*59 - 115*	*05/12/21 10:24*	*05/24/21 16:44*	*2*

Method: 8081B - Organochlorine Pesticides (GC) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		7.0		ug/Kg	☼	05/12/21 10:24	06/01/21 17:24	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*63 - 124*	*05/12/21 10:24*	*06/01/21 17:24*	*2*
Tetrachloro-m-xylene	*81*		*59 - 115*	*05/12/21 10:24*	*06/01/21 17:24*	*2*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		98		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Bolstar	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Atrazine	ND		360		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Chlorpyrifos	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Diazinon	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Coumaphos	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Dichlorvos	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Disulfoton	ND		260		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Dimethoate	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
EPN	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Ethoprop	ND		81		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Ethyl Parathion	ND		98		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Famphur	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Fensulfothion	ND		140		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Fenthion	ND		180		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-01
Date Collected: 05/07/21 14:30
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-1
Matrix: Solid
Percent Solids: 91.3

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Malathion	ND		81		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Merphos	ND		160		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Methyl parathion	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Phorate	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Propazine	ND		360		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Ronnel	ND		250		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Simazine	ND	*+	360		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Sulfotepp	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Trichloronate	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Thionazin	ND		98		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Tokuthion	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
o,o',o''-Triethylphosphorothioate	ND		210		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Demeton, Total	ND		210		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*82*	*D*	*47 - 161*	*05/13/21 13:44*	*05/22/21 17:43*	*5*
Chlormefos	*57*	*D*	*42 - 132*	*05/13/21 13:44*	*05/22/21 17:43*	*5*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		17000		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
Silvex (2,4,5-TP)	ND		41		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
MCPP	ND		17000		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
2,4,5-T	ND		41		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
2,4-D	ND		170		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
2,4-DB	ND		170		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
Dalapon	ND		83		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
Dicamba	ND		83		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2
Dichlorprop	ND		170		ug/Kg	☼	05/12/21 06:54	05/20/21 20:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*	*D*	*31 - 105*	*05/12/21 06:54*	*05/20/21 20:17*	*2*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15**		0.41		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10
Barium	**72**		0.81		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10
Cadmium	ND		0.65		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10
Chromium	**15**		0.81		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10
Lead	**20**		0.41		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10
Selenium	**2.5**		1.2		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10
Silver	**0.79**		0.16		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**		0.030		mg/Kg	☼	05/19/21 12:03	05/19/21 18:03	1

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-02
Date Collected: 05/07/21 14:40
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-2
Matrix: Solid
Percent Solids: 90.6

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Endosulfan II	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Endosulfan sulfate	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Endrin	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Endrin aldehyde	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Endrin ketone	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
beta-BHC	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
alpha-BHC	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
delta-BHC	ND		6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
gamma-BHC (Lindane)	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
trans-Chlordane	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
4,4'-DDD	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
4,4'-DDE	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
4,4'-DDT	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Heptachlor	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Heptachlor epoxide	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Dieldrin	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Aldrin	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Methoxychlor	ND	*+	13		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Toxaphene	ND		270		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
cis-Chlordane	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*63 - 124*	*05/12/21 10:24*	*05/19/21 07:10*	*2*
Tetrachloro-m-xylene	*77*		*59 - 115*	*05/12/21 10:24*	*05/19/21 07:10*	*2*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		95		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Bolstar	ND		69		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Atrazine	ND		350		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Chlorpyrifos	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Diazinon	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Coumaphos	ND		69		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Dichlorvos	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Disulfoton	ND		250		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Dimethoate	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
EPN	ND		69		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Ethoprop	ND		79		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Ethyl Parathion	ND		95		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Famphur	ND		69		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Fensulfothion	ND		130		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Fenthion	ND		170		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Malathion	ND		79		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Merphos	ND		160		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Methyl parathion	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Phorate	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Propazine	ND		350		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Ronnel	ND		240		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Simazine	ND	*+	350		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5

Client Sample ID: SGC-042221-PH-02

Lab Sample ID: 590-15094-2
Date Collected: 05/07/21 14:40
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 90.6

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfotepp	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Trichloronate	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Thionazin	ND		95		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Tokuthion	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
o,o',o"-Triethylphosphorothioate	ND		210		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Demeton, Total	ND		210		ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*85*	*D*	*47 - 161*	*05/13/21 13:44*	*05/22/21 18:22*	*5*
Chlormefos	*61*	*D*	*42 - 132*	*05/13/21 13:44*	*05/22/21 18:22*	*5*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		17000		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
Silvex (2,4,5-TP)	ND		43		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
MCPP	ND		17000		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
2,4,5-T	ND		43		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
2,4-D	ND		170		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
2,4-DB	ND		170		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
Dalapon	ND		87		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
Dicamba	ND		87		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
Dichlorprop	ND		170		ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*95*	*D*	*31 - 105*	*05/12/21 06:54*	*05/20/21 20:40*	*2*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.3**		0.39		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10
Barium	**93**		0.79		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10
Cadmium	ND		0.63		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10
Chromium	**13**		0.79		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10
Lead	**10**		0.39		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10
Selenium	**2.1**		1.2		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10
Silver	ND		0.16		mg/Kg	☼	05/12/21 11:18	05/13/21 14:59	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032		mg/Kg	☼	05/19/21 12:03	05/19/21 18:05	1

Client Sample ID: SGC-042221-PH-03

Lab Sample ID: 590-15094-3
Date Collected: 05/07/21 14:52
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 93.0

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Endosulfan II	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Endosulfan sulfate	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Endrin	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Endrin aldehyde	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-03
Date Collected: 05/07/21 14:52
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-3
Matrix: Solid
Percent Solids: 93.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
beta-BHC	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
alpha-BHC	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
delta-BHC	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
gamma-BHC (Lindane)	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
trans-Chlordane	**340**		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
4,4'-DDD	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
4,4'-DDE	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
4,4'-DDT	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Heptachlor	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Heptachlor epoxide	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Dieldrin	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Aldrin	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Methoxychlor	ND	*+	68		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Toxaphene	ND		1400		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
cis-Chlordane	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*139*	*S1+*	*63 - 124*	*05/12/21 10:24*	*05/19/21 19:38*	*10*
Tetrachloro-m-xylene	*66*		*59 - 115*	*05/12/21 10:24*	*05/19/21 19:38*	*10*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		97		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Bolstar	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Atrazine	ND		360		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Chlorpyrifos	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Diazinon	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Coumaphos	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Dichlorvos	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Disulfoton	ND		260		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Dimethoate	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
EPN	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Ethoprop	ND		81		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Ethyl Parathion	ND		97		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Famphur	ND		70		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Fensulfothion	ND		130		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Fenthion	ND		180		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Malathion	ND		81		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Merphos	ND		160		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Methyl parathion	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Phorate	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Propazine	ND		360		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Ronnel	ND		250		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Simazine	ND	*+	360		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Sulfotepp	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Trichloronate	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Thionazin	ND		97		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Tokuthion	ND		110		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
o,o',o''-Triethylphosphorothioate	ND		210		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5

Client Sample ID: SGC-042221-PH-03

Lab Sample ID: 590-15094-3
Date Collected: 05/07/21 14:52
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 93.0

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Demeton, Total	ND		210		ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*66*	*D*	*47 - 161*	*05/13/21 13:44*	*05/22/21 19:01*	*5*
Chlormefos	*50*	*D*	*42 - 132*	*05/13/21 13:44*	*05/22/21 19:01*	*5*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8500		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
Silvex (2,4,5-TP)	ND		21		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
MCPP	ND		8500		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
2,4,5-T	ND		21		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
2,4-D	ND		85		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
2,4-DB	ND		85		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
Dalapon	ND		42		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
Dicamba	ND		42		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
Dichlorprop	ND		85		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*31 - 105*	*05/12/21 06:54*	*05/20/21 21:02*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		0.42		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Barium	**48**		0.83		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Cadmium	ND		0.67		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Chromium	**15**		0.83		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Lead	**9.9**		0.42		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Selenium	**1.6**		1.2		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Silver	**0.30**		0.17		mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.6**		0.26		mg/Kg	☼	05/19/21 12:03	05/19/21 18:23	10

Client Sample ID: SGC-042221-PH-04

Lab Sample ID: 590-15094-4
Date Collected: 05/07/21 14:55
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 91.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Endosulfan II	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Endosulfan sulfate	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Endrin	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Endrin aldehyde	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Endrin ketone	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
beta-BHC	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
alpha-BHC	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
delta-BHC	ND		6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
gamma-BHC (Lindane)	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2

Client Sample ID: SGC-042221-PH-04

Date Collected: 05/07/21 14:55
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-4

Matrix: Solid
Percent Solids: 91.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
4,4'-DDD	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
4,4'-DDE	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
4,4'-DDT	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Heptachlor	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Heptachlor epoxide	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Dieldrin	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Aldrin	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Methoxychlor	ND	*+	13		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
Toxaphene	ND		260		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2
cis-Chlordane	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*63 - 124*	*05/12/21 10:24*	*05/19/21 07:47*	*2*
Tetrachloro-m-xylene	*85*		*59 - 115*	*05/12/21 10:24*	*05/19/21 07:47*	*2*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		20		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Bolstar	ND		14		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Atrazine	ND		73		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Chlorpyrifos	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Diazinon	ND		24		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Coumaphos	ND		14		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Dichlorvos	ND		25		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Disulfoton	ND		53		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Dimethoate	ND		24		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
EPN	ND		14		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Ethoprop	ND		16		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Ethyl Parathion	ND		20		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Famphur	ND		14		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Fensulfothion	ND		27		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Fenthion	ND		36		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Malathion	ND		16		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Merphos	ND		33		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Methyl parathion	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Phorate	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Propazine	ND		73		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Ronnel	ND		50		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Simazine	ND	*+	73		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Sulfotepp	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Trichloronate	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Thionazin	ND		20		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Tokuthion	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
o,o',o''-Triethylphosphorothioate	ND		43		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Demeton, Total	ND		43		ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*80*		*47 - 161*	*05/13/21 13:44*	*05/22/21 19:40*	*1*
Chlormefos	*50*		*42 - 132*	*05/13/21 13:44*	*05/22/21 19:40*	*1*

Client Sample ID: SGC-042221-PH-04

Lab Sample ID: 590-15094-4
Date Collected: 05/07/21 14:55
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 91.2

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8700		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
Silvex (2,4,5-TP)	ND		22		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
MCPP	ND		8700		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
2,4,5-T	ND		22		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
2,4-D	ND		87		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
2,4-DB	ND		87		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
Dalapon	ND		43		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
Dicamba	ND		43		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
Dichlorprop	ND		87		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*31 - 105*	*05/12/21 06:54*	*05/20/21 21:24*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.3**		0.34		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10
Barium	**110**		0.67		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10
Cadmium	ND		0.54		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10
Chromium	**14**		0.67		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10
Lead	**10**		0.34		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10
Selenium	**2.2**		1.0		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10
Silver	ND		0.13		mg/Kg	☼	05/12/21 11:18	05/13/21 15:07	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032		mg/Kg	☼	05/19/21 12:03	05/19/21 18:15	1

Client Sample ID: SGC-042221-PH-05

Lab Sample ID: 590-15094-5
Date Collected: 05/07/21 15:11
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 93.4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Endosulfan II	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Endosulfan sulfate	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Endrin	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Endrin aldehyde	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Endrin ketone	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
beta-BHC	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
alpha-BHC	ND	*1	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
delta-BHC	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
gamma-BHC (Lindane)	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
trans-Chlordane	**69**		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
4,4'-DDD	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
4,4'-DDE	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
4,4'-DDT	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Heptachlor	ND	*+	32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Heptachlor epoxide	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Dieldrin	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Aldrin	ND		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10

Client Sample ID: SGC-042221-PH-05

Date Collected: 05/07/21 15:11
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-5

Matrix: Solid
Percent Solids: 93.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND	*+	62		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Toxaphene	ND		1300		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
cis-Chlordane	81		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*260*	*S1+*	*63 - 124*	*05/12/21 10:24*	*05/24/21 17:03*	*10*
Tetrachloro-m-xylene	*86*		*59 - 115*	*05/12/21 10:24*	*05/24/21 17:03*	*10*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		94		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Bolstar	ND		68		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Atrazine	ND		350		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Chlorpyrifos	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Diazinon	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Coumaphos	ND		68		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Dichlorvos	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Disulfoton	ND		250		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Dimethoate	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
EPN	ND		68		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Ethoprop	ND		79		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Ethyl Parathion	ND		94		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Famphur	ND		68		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Fensulfothion	ND		130		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Fenthion	ND		170		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Malathion	ND		79		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Merphos	ND		160		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Methyl parathion	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Phorate	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Propazine	ND		350		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Ronnel	ND		240		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Simazine	ND	*+	350		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Sulfotepp	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Trichloronate	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Thionazin	ND		94		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Tokuthion	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
o,o',o''-Triethylphosphorothioate	ND		200		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Demeton, Total	ND		200		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*71*	*D*	*47 - 161*	*05/13/21 13:44*	*05/22/21 20:19*	*5*
Chlormefos	*50*	*D*	*42 - 132*	*05/13/21 13:44*	*05/22/21 20:19*	*5*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8300		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
Silvex (2,4,5-TP)	ND		21		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
MCPP	ND		8300		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
2,4,5-T	ND		21		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
2,4-D	ND		83		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1

Client Sample ID: SGC-042221-PH-05

Lab Sample ID: 590-15094-5
Date Collected: 05/07/21 15:11
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 93.4

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND		83		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
Dalapon	ND		42		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
Dicamba	ND		42		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1
Dichlorprop	ND		83		ug/Kg	☼	05/12/21 06:54	05/20/21 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*75*		*31 - 105*	*05/12/21 06:54*	*05/20/21 21:46*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**		0.41		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Barium	**61**		0.82		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Cadmium	ND		0.66		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Chromium	**19**		0.82		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Lead	**10**		0.41		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Selenium	**1.8**		1.2		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Silver	ND		0.16		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.1**		0.28		mg/Kg	☼	05/19/21 12:03	05/19/21 18:33	10

Client Sample ID: SGC-042221-PH-06

Lab Sample ID: 590-15094-6
Date Collected: 05/07/21 15:28
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 88.3

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Endosulfan II	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Endosulfan sulfate	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Endrin	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Endrin aldehyde	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Endrin ketone	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
beta-BHC	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
alpha-BHC	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
delta-BHC	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
gamma-BHC (Lindane)	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
trans-Chlordane	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
4,4'-DDD	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
4,4'-DDE	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
4,4'-DDT	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Heptachlor	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Heptachlor epoxide	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Dieldrin	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Aldrin	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Methoxychlor	ND	*+	14		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Toxaphene	ND		280		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
cis-Chlordane	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-06
Date Collected: 05/07/21 15:28
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-6
Matrix: Solid
Percent Solids: 88.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*63 - 124*	*05/12/21 10:24*	*05/19/21 08:24*	*2*
Tetrachloro-m-xylene	*74*		*59 - 115*	*05/12/21 10:24*	*05/19/21 08:24*	*2*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		20		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Bolstar	ND		15		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Atrazine	ND		75		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Chlorpyrifos	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Diazinon	ND		25		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Coumaphos	ND		15		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Dichlorvos	ND		26		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Disulfoton	ND		54		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Dimethoate	ND	F1	25		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
EPN	ND		15		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Ethoprop	ND		17		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Ethyl Parathion	ND		20		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Famphur	ND		15		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Fensulfothion	ND	F1	28		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Fenthion	ND		37		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Malathion	ND		17		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Merphos	ND		34		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Methyl parathion	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Phorate	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Propazine	ND		75		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Ronnel	ND		52		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Simazine	ND	*+	75		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Sulfotepp	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Trichloronate	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Thionazin	ND		20		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Tokuthion	ND		22		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
o,o',o''-Triethylphosphorothioate	ND		44		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1
Demeton, Total	ND		44		ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*75*		*47 - 161*	*05/13/21 13:44*	*05/22/21 20:58*	*1*
Chlormefos	*49*		*42 - 132*	*05/13/21 13:44*	*05/22/21 20:58*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8800		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
Silvex (2,4,5-TP)	ND		22		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
MCPP	ND		8800		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
2,4,5-T	ND		22		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
2,4-D	ND		88		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
2,4-DB	ND		88		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
Dalapon	ND		44		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
Dicamba	ND		44		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1
Dichlorprop	ND		88		ug/Kg	☼	05/12/21 06:54	05/20/21 22:08	1

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-06

Date Collected: 05/07/21 15:28
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-6

Matrix: Solid
Percent Solids: 88.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*31 - 105*	*05/12/21 06:54*	*05/20/21 22:08*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.3**		0.46		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10
Barium	**100**		0.92		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10
Cadmium	ND		0.74		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10
Chromium	**12**		0.92		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10
Lead	**11**		0.46		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10
Selenium	**2.6**		1.4		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10
Silver	ND		0.18		mg/Kg	☼	05/12/21 11:18	05/13/21 15:14	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032		mg/Kg	☼	05/19/21 12:03	05/19/21 18:20	1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-535796/1-A
Matrix: Solid
Analysis Batch: 536567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endosulfan II	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endosulfan sulfate	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endrin	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endrin aldehyde	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endrin ketone	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
beta-BHC	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
alpha-BHC	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
delta-BHC	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
gamma-BHC (Lindane)	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
trans-Chlordane	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
4,4'-DDD	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
4,4'-DDE	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
4,4'-DDT	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Heptachlor	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Heptachlor epoxide	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Dieldrin	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Aldrin	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Methoxychlor	ND		6.6		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Toxaphene	ND		130		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
cis-Chlordane	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*63 - 124*	*05/12/21 10:24*	*05/19/21 08:43*	*1*
Tetrachloro-m-xylene	*78*		*59 - 115*	*05/12/21 10:24*	*05/19/21 08:43*	*1*

Lab Sample ID: LCS 280-535796/2-A
Matrix: Solid
Analysis Batch: 537235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan I	33.3	32.8		ug/Kg		98	60 - 101
Endosulfan II	33.3	39.8	*+	ug/Kg		119	60 - 100
Endosulfan sulfate	33.3	40.7	*+	ug/Kg		122	63 - 105
Endrin	33.3	44.0	*+	ug/Kg		132	62 - 111
Endrin aldehyde	33.3	40.5	*+	ug/Kg		121	53 - 88
Endrin ketone	33.3	43.1	*+	ug/Kg		129	62 - 98
beta-BHC	33.3	30.4		ug/Kg		91	60 - 99
alpha-BHC	33.3	34.7	*+	ug/Kg		104	61 - 101
delta-BHC	33.3	31.2		ug/Kg		94	62 - 103
gamma-BHC (Lindane)	33.3	32.8		ug/Kg		99	61 - 102
trans-Chlordane	33.3	33.3		ug/Kg		100	59 - 109
4,4'-DDD	33.3	44.3	*+	ug/Kg		133	63 - 104
4,4'-DDE	33.3	33.4		ug/Kg		100	63 - 105
4,4'-DDT	33.3	45.9	*+	ug/Kg		138	63 - 106
Heptachlor	33.3	39.9	*+	ug/Kg		120	59 - 109
Heptachlor epoxide	33.3	32.2		ug/Kg		97	61 - 105
Dieldrin	33.3	34.3		ug/Kg		103	64 - 106

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-535796/2-A
Matrix: Solid
Analysis Batch: 537235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aldrin			33.3	31.4		ug/Kg		94	59 - 104		
Methoxychlor			33.3	49.0	*+	ug/Kg		147	62 - 110		
cis-Chlordane			33.3	33.3		ug/Kg		100	60 - 104		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*63 - 124*
Tetrachloro-m-xylene	*83*		*59 - 115*

Lab Sample ID: LCSD 280-535796/3-A
Matrix: Solid
Analysis Batch: 537235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535796

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I			33.3	33.5		ug/Kg		101	60 - 101	2	26
Endosulfan II			33.3	39.6	*+	ug/Kg		119	60 - 100	1	20
Endosulfan sulfate			33.3	41.1	*+	ug/Kg		123	63 - 105	1	22
Endrin			33.3	44.9	*+	ug/Kg		135	62 - 111	2	30
Endrin aldehyde			33.3	40.6	*+	ug/Kg		122	53 - 88	0	29
Endrin ketone			33.3	43.8	*+	ug/Kg		131	62 - 98	2	20
beta-BHC			33.3	31.2		ug/Kg		94	60 - 99	3	17
alpha-BHC			33.3	36.2	*+	ug/Kg		109	61 - 101	4	17
delta-BHC			33.3	32.6		ug/Kg		98	62 - 103	4	19
gamma-BHC (Lindane)			33.3	33.9		ug/Kg		102	61 - 102	3	24
trans-Chlordane			33.3	34.1		ug/Kg		102	59 - 109	3	21
4,4'-DDD			33.3	43.3	*+	ug/Kg		130	63 - 104	2	20
4,4'-DDE			33.3	34.1		ug/Kg		102	63 - 105	2	15
4,4'-DDT			33.3	45.6	*+	ug/Kg		137	63 - 106	1	29
Heptachlor			33.3	41.7	*+	ug/Kg		125	59 - 109	5	18
Heptachlor epoxide			33.3	33.1		ug/Kg		99	61 - 105	3	18
Dieldrin			33.3	34.8		ug/Kg		105	64 - 106	1	25
Aldrin			33.3	32.1		ug/Kg		96	59 - 104	2	50
Methoxychlor			33.3	47.7	*+	ug/Kg		143	62 - 110	3	23
cis-Chlordane			33.3	34.1		ug/Kg		102	60 - 104	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*63 - 124*
Tetrachloro-m-xylene	*85*		*59 - 115*

Method: 8081B - Organochlorine Pesticides (GC) - RA

Lab Sample ID: MB 280-535796/1-A
Matrix: Solid
Analysis Batch: 538096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde - RA	ND		3.4		ug/Kg		05/12/21 10:24	06/01/21 17:42	1

Method: 8081B - Organochlorine Pesticides (GC) - RA (Continued)

Lab Sample ID: MB 280-535796/1-A
Matrix: Solid
Analysis Batch: 538096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535796

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl - RA	88		63 - 124	05/12/21 10:24	06/01/21 17:42	1
Tetrachloro-m-xylene - RA	101		59 - 115	05/12/21 10:24	06/01/21 17:42	1

Lab Sample ID: LCS 280-535796/2-A
Matrix: Solid
Analysis Batch: 538096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endrin aldehyde - RA			33.3	24.5		ug/Kg		73	53 - 88		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl - RA	99		63 - 124
Tetrachloro-m-xylene - RA	102		59 - 115

Lab Sample ID: LCSD 280-535796/3-A
Matrix: Solid
Analysis Batch: 538096

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535796

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin aldehyde - RA			33.3	23.3		ug/Kg		70	53 - 88	5	29

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl - RA	103		63 - 124
Tetrachloro-m-xylene - RA	109		59 - 115

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-536038/1-A
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 536038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		18		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Bolstar	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Atrazine	ND		67		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Chlorpyrifos	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Diazinon	ND		22		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Coumaphos	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Dichlorvos	ND		23		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Disulfoton	ND		48		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Dimethoate	ND		22		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
EPN	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Ethoprop	ND		15		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Ethyl Parathion	ND		18		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Famphur	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Fensulfothion	ND		25		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Fenthion	ND		33		ug/Kg		05/13/21 13:44	05/22/21 15:46	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: MB 280-536038/1-A
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 536038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Malathion	ND		15		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Merphos	ND		30		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Methyl parathion	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Phorate	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Propazine	ND		67		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Ronnel	ND		46		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Simazine	ND		67		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Sulfotepp	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Trichloronate	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Thionazin	ND		18		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Tokuthion	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
o,o',o''-Triethylphosphorothioate	ND		39		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Demeton, Total	ND		39		ug/Kg		05/13/21 13:44	05/22/21 15:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*80*		*47 - 161*	*05/13/21 13:44*	*05/22/21 15:46*	*1*
Chlormefos	*59*		*42 - 132*	*05/13/21 13:44*	*05/22/21 15:46*	*1*

Lab Sample ID: LCS 280-536038/2-A
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 536038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Azinphos-methyl	133	113		ug/Kg		85	48 - 126
Atrazine	133	133		ug/Kg		100	35 - 123
Chlorpyrifos	133	112		ug/Kg		84	48 - 115
Diazinon	133	116		ug/Kg		87	43 - 115
Coumaphos	133	124		ug/Kg		93	57 - 125
Dichlorvos	133	112		ug/Kg		84	37 - 143
Disulfoton	133	96.6		ug/Kg		72	31 - 98
Dimethoate	133	49.5		ug/Kg		37	20 - 115
EPN	133	104		ug/Kg		78	47 - 109
Ethoprop	133	97.4		ug/Kg		73	44 - 102
Ethyl Parathion	133	106		ug/Kg		79	49 - 115
Famphur	133	120		ug/Kg		90	40 - 115
Fensulfothion	133	85.3		ug/Kg		64	49 - 115
Fenthion	133	108		ug/Kg		81	43 - 110
Malathion	133	102		ug/Kg		76	41 - 95
Merphos	133	54.6		ug/Kg		41	10 - 93
Methyl parathion	133	109		ug/Kg		82	46 - 107
Phorate	133	91.5		ug/Kg		69	33 - 96
Ronnel	133	112		ug/Kg		84	50 - 115
Simazine	133	167	*+	ug/Kg		125	38 - 115
Sulfotepp	133	101		ug/Kg		76	42 - 115
Trichloronate	133	98.3		ug/Kg		74	52 - 110
Thionazin	133	96.6		ug/Kg		72	40 - 108
o,o',o''-Triethylphosphorothioate	133	80.7		ug/Kg		61	21 - 117

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 280-536038/2-A
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 536038

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Demeton, Total			133	94.8		ug/Kg		71	38 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*85*		*47 - 161*
Chlormefos	*68*		*42 - 132*

Lab Sample ID: 590-15094-6 MS
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: SGC-042221-PH-06
Prep Type: Total/NA
Prep Batch: 536038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Azinphos-methyl	ND		150	122		ug/Kg	☼	81	48 - 126		
Atrazine	ND		150	123		ug/Kg	☼	82	35 - 123		
Chlorpyrifos	ND		150	109		ug/Kg	☼	73	48 - 115		
Diazinon	ND		150	112		ug/Kg	☼	75	43 - 115		
Coumaphos	ND		150	134		ug/Kg	☼	89	57 - 125		
Dichlorvos	ND		150	80.2		ug/Kg	☼	53	37 - 143		
Disulfoton	ND		150	80.9		ug/Kg	☼	54	31 - 98		
Dimethoate	ND	F1	150	32.7		ug/Kg	☼	22	20 - 115		
EPN	ND		150	110		ug/Kg	☼	73	47 - 109		
Ethoprop	ND		150	91.7		ug/Kg	☼	61	44 - 102		
Ethyl Parathion	ND		150	115		ug/Kg	☼	77	49 - 115		
Famphur	ND		150	123		ug/Kg	☼	82	40 - 115		
Fensulfothion	ND	F1	150	85.8		ug/Kg	☼	57	49 - 115		
Fenthion	ND		150	107		ug/Kg	☼	71	43 - 110		
Malathion	ND		150	109		ug/Kg	☼	73	41 - 95		
Merphos	ND		150	61.4		ug/Kg	☼	41	10 - 93		
Methyl parathion	ND		150	110		ug/Kg	☼	73	46 - 107		
Phorate	ND		150	82.9		ug/Kg	☼	55	33 - 96		
Ronnel	ND		150	113		ug/Kg	☼	76	50 - 115		
Simazine	ND	*+	150	143		ug/Kg	☼	95	38 - 115		
Sulfotepp	ND		150	95.1		ug/Kg	☼	63	42 - 115		
Trichloronate	ND		150	100		ug/Kg	☼	67	52 - 110		
Thionazin	ND		150	91.4		ug/Kg	☼	61	40 - 108		
o,o',o''-Triethylphosphorothioate	ND		150	55.3		ug/Kg	☼	37	21 - 117		
Demeton, Total	ND		150	71.7		ug/Kg	☼	48	38 - 100		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate	*80*		*47 - 161*
Chlormefos	*46*		*42 - 132*

Lab Sample ID: 590-15094-6 MSD
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: SGC-042221-PH-06
Prep Type: Total/NA
Prep Batch: 536038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Azinphos-methyl	ND		147	110		ug/Kg	☼	75	48 - 126	10	21

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: 590-15094-6 MSD
Matrix: Solid
Analysis Batch: 537125

Client Sample ID: SGC-042221-PH-06
Prep Type: Total/NA
Prep Batch: 536038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	ND		147	122		ug/Kg	☼	83	35 - 123	1	31
Chlorpyrifos	ND		147	109		ug/Kg	☼	74	48 - 115	0	27
Diazinon	ND		147	109		ug/Kg	☼	74	43 - 115	3	29
Coumaphos	ND		147	130		ug/Kg	☼	89	57 - 125	3	26
Dichlorvos	ND		147	83.5		ug/Kg	☼	57	37 - 143	4	50
Disulfoton	ND		147	88.5		ug/Kg	☼	60	31 - 98	9	35
Dimethoate	ND	F1	147	27.4	F1	ug/Kg	☼	19	20 - 115	18	29
EPN	ND		147	104		ug/Kg	☼	71	47 - 109	5	23
Ethoprop	ND		147	97.0		ug/Kg	☼	66	44 - 102	6	34
Ethyl Parathion	ND		147	108		ug/Kg	☼	74	49 - 115	6	23
Famphur	ND		147	106		ug/Kg	☼	72	40 - 115	15	23
Fensulfothion	ND	F1	147	71.0	F1	ug/Kg	☼	48	49 - 115	19	23
Fenthion	ND		147	106		ug/Kg	☼	72	43 - 110	1	24
Malathion	ND		147	106		ug/Kg	☼	72	41 - 95	3	23
Merphos	ND		147	57.5		ug/Kg	☼	39	10 - 93	7	25
Methyl parathion	ND		147	107		ug/Kg	☼	73	46 - 107	3	23
Phorate	ND		147	85.6		ug/Kg	☼	58	33 - 96	3	44
Ronnel	ND		147	109		ug/Kg	☼	74	50 - 115	4	29
Simazine	ND	*+	147	141		ug/Kg	☼	96	38 - 115	1	43
Sulfotepp	ND		147	95.6		ug/Kg	☼	65	42 - 115	1	37
Trichloronate	ND		147	99.6		ug/Kg	☼	68	52 - 110	1	31
Thionazin	ND		147	92.1		ug/Kg	☼	63	40 - 108	1	41
o,o',o''-Triethylphosphorothioate	ND		147	65.0		ug/Kg	☼	44	21 - 117	16	50
Demeton, Total	ND		147	79.6		ug/Kg	☼	54	38 - 100	10	51

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate	*79*		*47 - 161*
Chlormefos	*51*		*42 - 132*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-535795/1-A
Matrix: Solid
Analysis Batch: 536748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8000		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Silvex (2,4,5-TP)	ND		20		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
MCPP	ND		8000		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
2,4,5-T	ND		20		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
2,4-D	ND		80		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
2,4-DB	ND		80		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Dalapon	ND		40		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Dicamba	ND		40		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Dichlorprop	ND		80		ug/Kg		05/12/21 06:54	05/21/21 00:20	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 280-535795/1-A
Matrix: Solid
Analysis Batch: 536748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535795

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		31 - 105	05/12/21 06:54	05/21/21 00:20	1

Lab Sample ID: LCS 280-535795/2-A
Matrix: Solid
Analysis Batch: 536748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
MCPA	10000	8740		ug/Kg		87	15 - 100
Silvex (2,4,5-TP)	100	73.4		ug/Kg		73	26 - 100
MCPP	10000	8730		ug/Kg		87	20 - 112
2,4,5-T	100	78.3		ug/Kg		78	22 - 102
2,4-D	100	85.7		ug/Kg		86	22 - 105
2,4-DB	100	66.8	J	ug/Kg		67	21 - 98
Dalapon	100	65.1		ug/Kg		65	25 - 102
Dicamba	100	71.4		ug/Kg		71	25 - 92
Dichlorprop	100	76.1	J	ug/Kg		76	24 - 98

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	81		31 - 105

Lab Sample ID: LCSD 280-535795/3-A
Matrix: Solid
Analysis Batch: 536748

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535795

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MCPA	10000	8320		ug/Kg		83	15 - 100	5	50
Silvex (2,4,5-TP)	100	72.2		ug/Kg		72	26 - 100	2	40
MCPP	10000	8250		ug/Kg		83	20 - 112	6	50
2,4,5-T	100	75.9		ug/Kg		76	22 - 102	3	40
2,4-D	100	84.3		ug/Kg		84	22 - 105	2	40
2,4-DB	100	66.2	J	ug/Kg		66	21 - 98	1	50
Dalapon	100	59.6		ug/Kg		60	25 - 102	9	50
Dicamba	100	69.6		ug/Kg		70	25 - 92	2	50
Dichlorprop	100	72.5	J	ug/Kg		72	24 - 98	5	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	75		31 - 105

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-356388/22-A
Matrix: Solid
Analysis Batch: 356445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 356388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Barium	ND		0.50		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Cadmium	ND		0.40		mg/Kg		05/12/21 11:18	05/12/21 14:53	5

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

Lab Sample ID: MB 580-356388/22-A
Matrix: Solid
Analysis Batch: 356445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 356388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Lead	ND		0.25		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Selenium	ND		0.75		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Silver	ND		0.10		mg/Kg		05/12/21 11:18	05/12/21 14:53	5

Lab Sample ID: LCS 580-356388/23-A
Matrix: Solid
Analysis Batch: 356445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 356388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	52.7		mg/Kg		105	80 - 120
Barium	50.0	50.8		mg/Kg		102	80 - 120
Cadmium	50.0	49.0		mg/Kg		98	80 - 120
Chromium	50.0	50.0		mg/Kg		100	80 - 120
Lead	50.0	49.1		mg/Kg		98	80 - 120
Selenium	50.0	49.6		mg/Kg		99	80 - 120
Silver	50.0	50.3		mg/Kg		101	80 - 120

Lab Sample ID: LCSD 580-356388/24-A
Matrix: Solid
Analysis Batch: 356445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 356388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	50.0	55.0		mg/Kg		110	80 - 120	4	20
Barium	50.0	53.7		mg/Kg		107	80 - 120	5	20
Cadmium	50.0	51.9		mg/Kg		104	80 - 120	6	20
Chromium	50.0	52.8		mg/Kg		106	80 - 120	6	20
Lead	50.0	51.8		mg/Kg		104	80 - 120	5	20
Selenium	50.0	51.0		mg/Kg		102	80 - 120	3	20
Silver	50.0	52.9		mg/Kg		106	80 - 120	5	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-356900/23-A
Matrix: Solid
Analysis Batch: 356960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 356900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.018		mg/Kg		05/19/21 12:03	05/19/21 17:13	1

Lab Sample ID: LCS 580-356900/24-A
Matrix: Solid
Analysis Batch: 356960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 356900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.100	0.101		mg/Kg		101	80 - 120

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 580-356900/25-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 356960
Prep Batch: 356900

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.100	0.0938		mg/Kg		94	80 - 120	7	20

Lab Chronicle

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-01

Lab Sample ID: 590-15094-1
Date Collected: 05/07/21 14:30
Matrix: Solid
Date Received: 05/07/21 16:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-01

Lab Sample ID: 590-15094-1
Date Collected: 05/07/21 14:30
Matrix: Solid
Date Received: 05/07/21 16:46
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	3546	RA		16.0 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B	RA	2			538096	06/01/21 17:24	MD	TAL DEN
Total/NA	Prep	3546			16.0 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		2			537235	05/24/21 16:44	MD	TAL DEN
Total/NA	Prep	3540C			30.3 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		5			537125	05/22/21 17:43	MKW	TAL DEN
Total/NA	Prep	8151A			52.9 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		2			536748	05/20/21 20:17	MB	TAL DEN
Total/NA	Prep	3050B			1.3485 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 14:55	FCW	FGS SEA
Total/NA	Prep	7471A			0.6664 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		1			356960	05/19/21 18:03	C1K	FGS SEA

Client Sample ID: SGC-042221-PH-02

Lab Sample ID: 590-15094-2
Date Collected: 05/07/21 14:40
Matrix: Solid
Date Received: 05/07/21 16:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-02

Lab Sample ID: 590-15094-2
Date Collected: 05/07/21 14:40
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			16.4 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		2			536567	05/19/21 07:10	MD	TAL DEN
Total/NA	Prep	3540C			31.3 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		5			537125	05/22/21 18:22	MKW	TAL DEN
Total/NA	Prep	8151A			51.0 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		2			536748	05/20/21 20:40	MB	TAL DEN
Total/NA	Prep	3050B			1.3992 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 14:59	FCW	FGS SEA
Total/NA	Prep	7471A			0.6282 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		1			356960	05/19/21 18:05	C1K	FGS SEA

Lab Chronicle

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-03
Date Collected: 05/07/21 14:52
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-03
Date Collected: 05/07/21 14:52
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-3
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.7 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		10			536653	05/19/21 19:38	MD	TAL DEN
Total/NA	Prep	3540C			30.0 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		5			537125	05/22/21 19:01	MKW	TAL DEN
Total/NA	Prep	8151A			50.7 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 21:02	MB	TAL DEN
Total/NA	Prep	3050B			1.2917 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:03	FCW	FGS SEA
Total/NA	Prep	7471A			0.7367 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		10			356960	05/19/21 18:23	C1K	FGS SEA

Client Sample ID: SGC-042221-PH-04
Date Collected: 05/07/21 14:55
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-04
Date Collected: 05/07/21 14:55
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-4
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			16.7 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		2			536567	05/19/21 07:47	MD	TAL DEN
Total/NA	Prep	3540C			30.0 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		1			537125	05/22/21 19:40	MKW	TAL DEN
Total/NA	Prep	8151A			50.4 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 21:24	MB	TAL DEN
Total/NA	Prep	3050B			1.6308 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:07	FCW	FGS SEA
Total/NA	Prep	7471A			0.6092 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		1			356960	05/19/21 18:15	C1K	FGS SEA

Lab Chronicle

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Client Sample ID: SGC-042221-PH-05
Date Collected: 05/07/21 15:11
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-05
Date Collected: 05/07/21 15:11
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-5
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			17.0 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		10			537235	05/24/21 17:03	MD	TAL DEN
Total/NA	Prep	3540C			30.6 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		5			537125	05/22/21 20:19	MKW	TAL DEN
Total/NA	Prep	8151A			51.5 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 21:46	MB	TAL DEN
Total/NA	Prep	3050B			1.3048 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:11	FCW	FGS SEA
Total/NA	Prep	7471A			0.6858 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		10			356960	05/19/21 18:33	C1K	FGS SEA

Client Sample ID: SGC-042221-PH-06
Date Collected: 05/07/21 15:28
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-06
Date Collected: 05/07/21 15:28
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-6
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			16.1 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		2			536567	05/19/21 08:24	MD	TAL DEN
Total/NA	Prep	3540C			30.3 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		1			537125	05/22/21 20:58	MKW	TAL DEN
Total/NA	Prep	8151A			51.4 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 22:08	MB	TAL DEN
Total/NA	Prep	3050B			1.2300 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:14	FCW	FGS SEA
Total/NA	Prep	7471A			0.6442 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		1			356960	05/19/21 18:20	C1K	FGS SEA

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Fulcrum Environmental
Job ID: 590-15094-1
Project/Site: Kinney Sundance/192860.03

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins FGS, Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	Dept. of Energy	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2954	06-30-21
Florida	NELAP	E87575	07-30-21
Kentucky (WW)	State	KY98042	12-31-21
Louisiana	NELAP	03073	06-30-21
Maine	State	2020012	05-02-22
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-21
New York	NELAP	11662	04-01-22
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C788	07-13-21
Wisconsin	State	399133460	08-31-21

Accreditation/Certification Summary

Client: Fulcrum Environmental
Job ID: 590-15094-1
Project/Site: Kinney Sundance/192860.03

Laboratory: Eurofins TestAmerica, 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	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

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

Method Summary

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	TAL DEN
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6020B	Metals (ICP/MS)	SW846	FGS SEA
7471A	Mercury (CVAA)	SW846	FGS SEA
Moisture	Percent Moisture	EPA	TAL SPK
3050B	Preparation, Metals	SW846	FGS SEA
3540C	Soxhlet Extraction	SW846	TAL DEN
3546	Microwave Extraction	SW846	TAL DEN
7471A	Preparation, Mercury	SW846	FGS SEA
8151A	Extraction (Herbicides)	SW846	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Chain of Custody Record

EPA 8081B
EPA 9081A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Groat	Site Contact: Scott Groat	Date: 5/7/21	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax: 509-459-9220	Lab Contact:	Carrier:	1 of 1 COCs
207 West Boone Avenue	Analysis Turnaround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)			
(509) 459-9220 Phone	TAT if different from Below STD			
(509) 459-9219 FAX	☐ 2 weeks			SDG No.
Project Name: Kinney Sundance	☐ 1 week			
Site:	☐ 2 days			
P O # 192860.03	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Organochlorine Pesticides	Herbicides by EPA 8151A	Chlorinated Pesticides by	RCRA 8 Metals 6020/7471	Sample Specific Notes:
SGC-042221-PH-01	5/7/21	1430		S	2		X	X	X	X	
-02	↓	1440		↓	↓		X	X	X	X	
-03	↓	1452		↓	↓		X	X	X	X	
-04	↓	1459		↓	↓		X	X	X	X	
-05	↓	1511		↓	↓		X	X	X	X	
-06	↓	1528		↓	↓		X	X	X	X	

590-15094 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Scott Groat	Fulcrum	5/7/21	Mawadwoole	TASPO	5/7/21 16:46
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

4.8°C

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-5976.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 590-15094-1
Address: 4955 Yarrow Street,	Due Date Requested: 5/20/2021			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: General Testing - Scott Groat	Project #: 59001922			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B/3546 Standard 8081B list	8141B/3540C_7d Standard 8141B list	8151A/8151A_SP Herbicide (Solid)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGC-042221-PH-01 (590-15094-1)	5/7/21	14:30 Pacific		Solid			X	X	X	1	
SGC-042221-PH-02 (590-15094-2)	5/7/21	14:40 Pacific		Solid			X	X	X	1	
SGC-042221-PH-03 (590-15094-3)	5/7/21	14:52 Pacific		Solid			X	X	X	1	
SGC-042221-PH-04 (590-15094-4)	5/7/21	14:55 Pacific		Solid			X	X	X	1	
SGC-042221-PH-05 (590-15094-5)	5/7/21	15:11 Pacific		Solid			X	X	X	1	
SGC-042221-PH-06 (590-15094-6)	5/7/21	15:28 Pacific		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/10/21 15:41	[illegible]	[signature]	5/11/2021 1000	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1 IR#1 CF#1

Ver: 11/01/2020

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-5975.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Frontier Global Sciences LLC		Accreditations Required (See note): State Program - Washington		Job #: 590-15094-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/20/2021			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:			
Email:	WO #:			
Project Name: General Testing - Scott Groat	Project #: 59001922			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3050B RCRA 8 Metals w/o Mercury	7471A/7471A_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SGC-042221-PH-01 (590-15094-1)	5/7/21	14:30 Pacific		Solid			X	X	1	
SGC-042221-PH-02 (590-15094-2)	5/7/21	14:40 Pacific		Solid			X	X	1	
SGC-042221-PH-03 (590-15094-3)	5/7/21	14:52 Pacific		Solid			X	X	1	
SGC-042221-PH-04 (590-15094-4)	5/7/21	14:55 Pacific		Solid			X	X	1	
SGC-042221-PH-05 (590-15094-5)	5/7/21	15:11 Pacific		Solid			X	X	1	
SGC-042221-PH-06 (590-15094-6)	5/7/21	15:28 Pacific		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ________ Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maria Uzoou	5/10/21 1530	APPC	[signature]	5/11/21 0945	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: A2 0.7/0.8

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Fulcrum Environmental

Job Number: 590-15094-1

Login Number: 15094
List Number: 1
Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Fulcrum Environmental

Job Number: 590-15094-1

Login Number: 15094
List Number: 3
Creator: Presley, Kim A

List Source: Eurofins FGS, Seattle
List Creation: 05/11/21 05:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	A2=0.7c/0.8c
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Fulcrum Environmental

Job Number: 590-15094-1

Login Number: 15094
List Number: 2
Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver
List Creation: 05/11/21 01:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	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?	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-15094-2
Client Project/Site: Kinney Sundance/192860.03

For:
Fulcrum Environmental
207 West Boone Avenue
Spokane, Washington 99201

Attn: Scott Groat

Randee Arrington

Authorized for release by:
6/8/2021 7:10:11 AM

Randee Arrington, Lab Director
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Case Narrative

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Narrative

Receipt
The samples were received on 5/7/2021 4:46 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8º C.

Receipt Exceptions
The following sample was activated for 7196 Hexavalent Chromium analysis by the client on 06.04/2021: SGC-042221-PH-05 (590-15094-5). This analysis was not originally requested on the chain-of-custody (COC).

General Chemistry
Method 7196A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-538600 and analytical batch 280-538913 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 7196A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-538600 and analytical batch 280-538913 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

Sample Summary

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15094-5	SGC-042221-PH-05	Solid	05/07/21 15:11	05/07/21 16:46	

Definitions/Glossary

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-2

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Client Sample Results

Client: Fulcrum Environmental
Job ID: 590-15094-2
Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-05
Lab Sample ID: 590-15094-5
Date Collected: 05/07/21 15:11
Matrix: Solid
Date Received: 05/07/21 16:46
Percent Solids: 93.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND	F1 F2	2.2		mg/Kg	☼	06/04/21 11:43	06/07/21 16:17	1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 280-538600/14-A
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		2.0		mg/Kg		06/04/21 11:43	06/07/21 16:17	1

Lab Sample ID: LCS 280-538600/11-A
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	10.0	10.8		mg/Kg		108	80 - 120

Lab Sample ID: LCSD 280-538600/12-A
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	9.84	10.2		mg/Kg		104	80 - 120	5	20

Lab Sample ID: LCSI 280-538600/13-A
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	549	485		mg/Kg		88	80 - 120

Lab Sample ID: 590-15094-5 MS
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: SGC-042221-PH-05
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	ND	F1 F2	10.8	3.49	F1	mg/Kg	☼	32	75 - 125

Lab Sample ID: 590-15094-5 MSD
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: SGC-042221-PH-05
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	ND	F1 F2	10.8	4.82	F1 F2	mg/Kg	☼	45	75 - 125	32	20

Lab Sample ID: 590-15094-5 MSI
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: SGC-042221-PH-05
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	ND	F1 F2	672	612		mg/Kg	☼	91	80 - 120

Lab Sample ID: 590-15094-5 DU
Matrix: Solid
Analysis Batch: 538913

Client Sample ID: SGC-042221-PH-05
Prep Type: Total/NA
Prep Batch: 538600

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND	F1 F2	ND		mg/Kg	☼	NC	20

Lab Chronicle

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-2

Client Sample ID: SGC-042221-PH-05

Date Collected: 05/07/21 15:11
Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-5

Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			1.22 g	50 mL	538600	06/04/21 11:43	QJB	TAL DEN
Total/NA	Analysis	7196A		1	5 mL	5 mL	538913	06/07/21 16:17	QJB	TAL DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: Fulcrum Environmental
Job ID: 590-15094-2
Project/Site: Kinney Sundance/192860.03

Laboratory: Eurofins TestAmerica, 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	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21 *
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

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

Method Summary

Client: Fulcrum Environmental
Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-2

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	TAL DEN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL DEN

Protocol References:

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

Laboratory References:

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

Chain of Custody Record

EPA 8081B
EPA 9081A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Groat	Site Contact: Scott Groat	Date: 5/7/21	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax: 509-459-9220	Lab Contact:	Carrier:	1 of 1 COCs
207 West Boone Avenue	Analysis Turnaround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)			
(509) 459-9220 Phone	TAT if different from Below STD			
(509) 459-9219 FAX	☐ 2 weeks			SDG No.
Project Name: Kinney Sundance	☐ 1 week			
Site:	☐ 2 days			
P O # 192860.03	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Organochlorine Pesticides	Herbicides by EPA 8151A	Chlorinated Pesticides by	RCRA 8 Metals 6020/7471	Sample Specific Notes:
SGC-042221-PH-01	5/4/21	1430		S	2		X	X	X	X	
-02	↓	1440		↓	↓		X	X	X	X	
-03	↓	1452		↓	↓		X	X	X	X	
-04	↓	1455		↓	↓		X	X	X	X	
-05	↓	1511		↓	↓		X	X	X	X	
-06	↓	1528		↓	↓		X	X	X	X	

590-15094 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Scott Groat	Fulcrum	5/7/21	MaKenna Poole	TASNO	5/7/21 16:46
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

4.8°C

Login Sample Receipt Checklist

Client: Fulcrum Environmental

Job Number: 590-15094-2

Login Number: 15094
List Number: 1
Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Fulcrum Environmental

Job Number: 590-15094-2

Login Number: 15094
List Number: 2
Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver
List Creation: 05/11/21 01:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	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?	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	