



High Performance Liquid Chromatography

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Spokane Environmental Solutions, LLC
Project: Borrow Pit/0270-003
Sample Matrix: Water

Service Request: K1901784
Date Collected: 02/28/19 13:00
Date Received: 03/01/19 10:00

Sample Name: MW-1A
Lab Code: K1901784-001

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids						
Perfluorooctane sulfonic acid (PFOS)	10	4.2	1	03/08/19 00:26	3/5/19	
Perfluoroalkane Carboxylic Acids						
Perfluorooctanoic acid (PFOA)	5.9	1.7	1	03/08/19 00:26	3/5/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C4-PFOS	117	25 - 121	03/08/19 00:26	
13C4-PFOA	97	22 - 130	03/08/19 00:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Spokane Environmental Solutions, LLC
Project: Borrow Pit/0270-003
Sample Matrix: Water

Service Request: K1901784
Date Collected: 02/28/19 14:00
Date Received: 03/01/19 10:00

Sample Name: MW-1B
Lab Code: K1901784-002

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids						
Perfluorooctane sulfonic acid (PFOS)	27	4.2	1	03/08/19 00:37	3/5/19	
Perfluoroalkane Carboxylic Acids						
Perfluorooctanoic acid (PFOA)	12	1.7	1	03/08/19 00:37	3/5/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C4-PFOS	103	25 - 121	03/08/19 00:37	
13C4-PFOA	92	22 - 130	03/08/19 00:37	



QC Summary Forms

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QA/QC Report

Client: Spokane Environmental Solutions, LLC
Project: Borrow Pit/0270-003
Sample Matrix: Water

Service Request: K1901784

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Sample Name	Lab Code	13C4-PFOS	13C4-PFOA
		25-121	22-130
MW-1A	K1901784-001	117	97
MW-1B	K1901784-002	103	92
Method Blank	KQ1902759-03	101	90
Lab Control Sample	KQ1902759-01	107	82
Duplicate Lab Control Sample	KQ1902759-02	105	87

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Spokane Environmental Solutions, LLC
Project: Borrow Pit/0270-003
Sample Matrix: Water

Service Request: K1901784
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: KQ1902759-03

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids						
Perfluorooctane sulfonic acid (PFOS)	ND U	5.0	1	03/07/19 21:07	3/5/19	
Perfluoroalkane Carboxylic Acids						
Perfluorooctanoic acid (PFOA)	ND U	2.0	1	03/07/19 21:07	3/5/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C4-PFOS	101	25 - 121	03/07/19 21:07	
13C4-PFOA	90	22 - 130	03/07/19 21:07	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Spokane Environmental Solutions, LLC
Project: Borrow Pit/0270-003
Sample Matrix: Water

Service Request: K1901784
Date Analyzed: 03/07/19
Date Extracted: 03/05/19

Duplicate Lab Control Sample Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Units: ng/L
Basis: NA
Analysis Lot: 627545

Analyte Name	Lab Control Sample KQ1902759-01			Duplicate Lab Control Sample KQ1902759-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Perfluorooctane sulfonic acid (PFOS)	28.2	29.7	95	24.7	29.7	83	71-139	13	30
Perfluorooctanoic acid (PFOA)	31.9	32.0	100	29.2	32.0	91	74-146	9	30

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Spokane

11922 East 1st Ave

Spokane, WA 99206

Tel: (509)924-9200

TestAmerica Job ID: 590-10497-1

Client Project/Site: Borrow Pit/0207-003

Revision: 1

For:

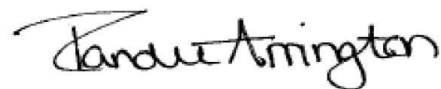
Spokane Environmental Solutions LLC

3810 E. Boone Avenue

Suite #101

Spokane, Washington 99202

Attn: Gary Panther



Authorized for release by:

4/2/2019 1:39:29 PM

Randee Arrington, Project Manager II

(509)924-9200

randee.arrington@testamericainc.com

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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



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Case Narrative

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Job ID: 590-10497-1

Laboratory: TestAmerica Spokane

Narrative

Report Revision 04/01/2019

Per the client's request Trichloroethene data was added to the final report.

Receipt

The samples were received on 2/28/2019 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.0° C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). The trip blank has been placed on hold.

One of two voa vial containers for the following sample was received broken or leaking: Trip Blank (590-10497-3). Sufficient volume was received to continue with analysis.

GC/MS VOA

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

GC Semi VOA

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

Metals

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

Organic Prep

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

VOA Prep

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

Sample Summary

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-10497-1	MW-1A	Water	02/28/19 13:00	02/28/19 16:45
590-10497-2	MW-1B	Water	02/28/19 14:00	02/28/19 16:45

1

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12

Definitions/Glossary

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Client Sample Results

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Client Sample ID: MW-1A

Date Collected: 02/28/19 13:00

Date Received: 02/28/19 16:45

Lab Sample ID: 590-10497-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			03/05/19 21:35	1
Ethylbenzene	ND		1.0		ug/L			03/05/19 21:35	1
m,p-Xylene	ND		2.0		ug/L			03/05/19 21:35	1
o-Xylene	ND		1.0		ug/L			03/05/19 21:35	1
Toluene	ND		1.0		ug/L			03/05/19 21:35	1
Xylenes, Total	ND		3.0		ug/L			03/05/19 21:35	1
Trichloroethene	ND		1.0		ug/L			03/05/19 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 125		03/05/19 21:35	1
4-Bromofluorobenzene (Surr)	98		69 - 120		03/05/19 21:35	1
Dibromofluoromethane (Surr)	103		80 - 120		03/05/19 21:35	1
Toluene-d8 (Surr)	103		80 - 120		03/05/19 21:35	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		03/01/19 11:41	03/04/19 17:07	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39		mg/L		03/01/19 11:41	03/04/19 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	03/01/19 11:41	03/04/19 17:07	1
n-Triacontane-d62	80		50 - 150	03/01/19 11:41	03/04/19 17:07	1

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		03/07/19 11:11	03/08/19 13:55	5

Client Sample ID: MW-1B

Date Collected: 02/28/19 14:00

Date Received: 02/28/19 16:45

Lab Sample ID: 590-10497-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			03/05/19 21:56	1
Ethylbenzene	ND		1.0		ug/L			03/05/19 21:56	1
m,p-Xylene	ND		2.0		ug/L			03/05/19 21:56	1
o-Xylene	ND		1.0		ug/L			03/05/19 21:56	1
Toluene	ND		1.0		ug/L			03/05/19 21:56	1
Xylenes, Total	ND		3.0		ug/L			03/05/19 21:56	1
Trichloroethene	ND		1.0		ug/L			03/05/19 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 125		03/05/19 21:56	1
4-Bromofluorobenzene (Surr)	104		69 - 120		03/05/19 21:56	1
Dibromofluoromethane (Surr)	103		80 - 120		03/05/19 21:56	1
Toluene-d8 (Surr)	104		80 - 120		03/05/19 21:56	1

TestAmerica Spokane

Client Sample Results

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Client Sample ID: MW-1B

Date Collected: 02/28/19 14:00

Date Received: 02/28/19 16:45

Lab Sample ID: 590-10497-2

Matrix: Water

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23		mg/L		03/01/19 11:41	03/04/19 17:27	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38		mg/L		03/01/19 11:41	03/04/19 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		50 - 150				03/01/19 11:41	03/04/19 17:27	1
<i>n</i> -Triacontane-d62	77		50 - 150				03/01/19 11:41	03/04/19 17:27	1

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050		mg/L		03/07/19 11:11	03/08/19 13:59	5

QC Sample Results

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

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

Lab Sample ID: MB 590-21195/5

Matrix: Water

Analysis Batch: 21195

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			03/05/19 19:30	1
Ethylbenzene	ND		1.0		ug/L			03/05/19 19:30	1
m,p-Xylene	ND		2.0		ug/L			03/05/19 19:30	1
o-Xylene	ND		1.0		ug/L			03/05/19 19:30	1
Toluene	ND		1.0		ug/L			03/05/19 19:30	1
Xylenes, Total	ND		3.0		ug/L			03/05/19 19:30	1
Trichloroethene	ND		1.0		ug/L			03/05/19 19:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 125		03/05/19 19:30	1
4-Bromofluorobenzene (Surr)	103		69 - 120		03/05/19 19:30	1
Dibromofluoromethane (Surr)	99		80 - 120		03/05/19 19:30	1
Toluene-d8 (Surr)	103		80 - 120		03/05/19 19:30	1

Lab Sample ID: LCS 590-21195/1003

Matrix: Water

Analysis Batch: 21195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.6		ug/L		106	80 - 120
Ethylbenzene	10.0	10.4		ug/L		104	80 - 120
m,p-Xylene	10.0	10.7		ug/L		107	80 - 120
o-Xylene	10.0	10.6		ug/L		106	80 - 120
Toluene	10.0	10.4		ug/L		104	80 - 123
Trichloroethene	10.0	10.7		ug/L		107	75 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 125
4-Bromofluorobenzene (Surr)	98		69 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 590-21195/6

Matrix: Water

Analysis Batch: 21195

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	10.0	11.1		ug/L		111	80 - 120	4	25
Ethylbenzene	10.0	10.7		ug/L		107	80 - 120	3	25
m,p-Xylene	10.0	10.9		ug/L		109	80 - 120	2	25
o-Xylene	10.0	10.8		ug/L		108	80 - 120	1	25
Toluene	10.0	10.8		ug/L		108	80 - 123	4	25
Trichloroethene	10.0	10.8		ug/L		108	75 - 129	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 125
4-Bromofluorobenzene (Surr)	99		69 - 120

TestAmerica Spokane

QC Sample Results

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

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

Lab Sample ID: LCSD 590-21195/6

Matrix: Water

Analysis Batch: 21195

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-21144/1-A

Matrix: Water

Analysis Batch: 21158

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21144

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24		mg/L		03/01/19 11:41	03/04/19 10:52	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40		mg/L		03/01/19 11:41	03/04/19 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	03/01/19 11:41	03/04/19 10:52	1
n-Triacontane-d62	82		50 - 150	03/01/19 11:41	03/04/19 10:52	1

Lab Sample ID: LCS 590-21144/2-A

Matrix: Water

Analysis Batch: 21158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21144

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO) (C10-C25)	1.60	1.21		mg/L		76	50 - 150
Residual Range Organics (RRO) (C25-C36)	1.60	1.58		mg/L		99	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	86		50 - 150
n-Triacontane-d62	93		50 - 150

Lab Sample ID: LCSD 590-21144/3-A

Matrix: Water

Analysis Batch: 21158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21144

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	1.60	1.19		mg/L		74	50 - 150	2	25
Residual Range Organics (RRO) (C25-C36)	1.60	1.54		mg/L		96	50 - 150	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	85		50 - 150
n-Triacontane-d62	89		50 - 150

TestAmerica Spokane

QC Sample Results

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-295753/22-A

Matrix: Water

Analysis Batch: 295933

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 295753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		03/07/19 11:11	03/08/19 12:16	1

Lab Sample ID: LCS 580-295753/23-A

Matrix: Water

Analysis Batch: 295933

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 295753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.946		mg/L		95	80 - 120

Lab Sample ID: LCSD 580-295753/24-A

Matrix: Water

Analysis Batch: 295933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 295753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	1.00	0.959		mg/L		96	80 - 120	1	20

Lab Chronicle

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Client Sample ID: MW-1A

Date Collected: 02/28/19 13:00

Date Received: 02/28/19 16:45

Lab Sample ID: 590-10497-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	21195	03/05/19 21:35	MRS	TAL SPK
Total/NA	Prep	3510C			259.2 mL	2 mL	21144	03/01/19 11:41	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			21158	03/04/19 17:07	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	295753	03/07/19 11:11	JKM	TAL SEA
Total Recoverable	Analysis	6020B		5	50 mL	50 mL	295933	03/08/19 13:55	FCW	TAL SEA

Client Sample ID: MW-1B

Date Collected: 02/28/19 14:00

Date Received: 02/28/19 16:45

Lab Sample ID: 590-10497-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	21195	03/05/19 21:56	MRS	TAL SPK
Total/NA	Prep	3510C			260 mL	2 mL	21144	03/01/19 11:41	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			21158	03/04/19 17:27	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	295753	03/07/19 11:11	JKM	TAL SEA
Total Recoverable	Analysis	6020B		5	50 mL	50 mL	295933	03/08/19 13:59	FCW	TAL SEA

Laboratory References:

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

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

Accreditation/Certification Summary

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Laboratory: TestAmerica Spokane

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-20

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
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Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-024	01-19-20
ANAB	DoD / DOE		L2236	01-19-22
ANAB	ISO/IEC 17025		L2236	01-19-22
California	State Program	9	2901	11-05-19
Montana (UST)	State Program	8	N/A	04-30-20
Nevada	State Program	9	WA000502019-1	07-31-19
Oregon	NELAP	10	WA100007	11-05-19
US Fish & Wildlife	Federal		LE058448-0	07-31-19
USDA	Federal		P330-14-00126	02-10-20
Washington	State Program	10	C553	02-17-20

Method Summary

Client: Spokane Environmental Solutions LLC
Project/Site: Borrow Pit/0207-003

TestAmerica Job ID: 590-10497-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6020B	Metals (ICP/MS)	SW846	TAL SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

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