

HRL Compliance Solutions- CO

Sample Delivery Group: L1496214
Samples Received: 05/20/2022
Project Number: CONTAINMENT WASTE WA
Description: Colorado Stone Quarries-Containment Waste Water
Site: CSQ MARBLE
Report To: Kris Rowe
2385 F ½ Road
Grand Junction, CO 81650

Entire Report Reviewed By:



Chris Ward
Project Manager

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

CONTAINMENT WASTE WATER L1496214-01 GW

Collected by
Kris Rowe

Collected date/time
05/18/22 12:00

Received date/time
05/20/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1868113	1	05/25/22 12:48	05/25/22 12:48	KEG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1869052	1	05/25/22 09:00	05/25/22 09:00	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1868727	1	05/24/22 18:04	05/25/22 14:27	JNJ	Mt. Juliet, TN

¹Cp

²Tc

³Ss

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⁸Al

⁹Sc

ACCOUNT:

HRL Compliance Solutions- CO

PROJECT:

CONTAINMENT WASTE WA

SDG:

L1496214

DATE/TIME:

05/27/22 12:29

PAGE:

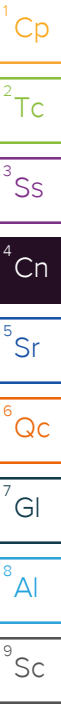
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CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager



CONTAINMENT WASTE WATER

Collected date/time: 05/18/22 12:00

SAMPLE RESULTS - 01

L1496214

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RD L	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND	P1	1.00	1	05/25/2022 12:48	WG1868113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RD L	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	05/25/2022 09:00	WG1869052
Toluene	ND		0.00100	1	05/25/2022 09:00	WG1869052
Ethylbenzene	ND		0.00100	1	05/25/2022 09:00	WG1869052
Total Xylenes	ND		0.00300	1	05/25/2022 09:00	WG1869052
(S) Toluene-d8	102		80.0-120		05/25/2022 09:00	WG1869052
(S) 4-Bromofluorobenzene	105		77.0-126		05/25/2022 09:00	WG1869052
(S) 1,2-Dichloroethane-d4	108		70.0-130		05/25/2022 09:00	WG1869052

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RD L	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Anthracene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Acenaphthene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Acenaphthylene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Benzo(a)anthracene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Benzo(a)pyrene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Benzo(b)fluoranthene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Benzo(g,h,i)perylene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Benzo(k)fluoranthene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Chrysene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Dibenz(a,h)anthracene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Fluoranthene	ND		0.000100	1	05/25/2022 14:27	WG1868727
Fluorene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Naphthalene	ND		0.000250	1	05/25/2022 14:27	WG1868727
Phenanthrene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
Pyrene	ND		0.0000500	1	05/25/2022 14:27	WG1868727
1-Methylnaphthalene	ND		0.000250	1	05/25/2022 14:27	WG1868727
2-Methylnaphthalene	ND		0.000250	1	05/25/2022 14:27	WG1868727
2-Chloronaphthalene	ND		0.000250	1	05/25/2022 14:27	WG1868727
(S) Nitrobenzene-d5	119		31.0-160		05/25/2022 14:27	WG1868727
(S) 2-Fluorobiphenyl	97.5		48.0-148		05/25/2022 14:27	WG1868727
(S) p-Terphenyl-d14	118		37.0-146		05/25/2022 14:27	WG1868727

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3796152-1 05/25/22 11:10

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00

L1496214-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1496214-01 05/25/22 12:48 • (DUP) R3796152-5 05/25/22 13:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	ND	ND	1	200	P1	15

L1496236-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1496236-08 05/25/22 18:04 • (DUP) R3796152-6 05/25/22 18:18

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	5.63	5.62	1	0.0356		15

Laboratory Control Sample (LCS)

(LCS) R3796152-2 05/25/22 11:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.9	99.7	80.0-120	

L1496101-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496101-21 05/25/22 11:52 • (MS) R3796152-3 05/25/22 12:20 • (MSD) R3796152-4 05/25/22 12:34

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	64.3	112	110	94.5	92.2	1	80.0-120	E	E	1.04	15

L1496236-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1496236-08 05/25/22 18:04 • (MS) R3796152-7 05/25/22 18:32

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	5.63	58.9	106	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3795753-3 05/25/22 05:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3795753-1 05/25/22 03:45 • (LCSD) R3795753-2 05/25/22 04:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00477	0.00463	95.4	92.6	70.0-123			2.98	20
Toluene	0.00500	0.00453	0.00449	90.6	89.8	79.0-120			0.887	20
Ethylbenzene	0.00500	0.00492	0.00497	98.4	99.4	79.0-123			1.01	20
Xylenes, Total	0.0150	0.0145	0.0143	96.7	95.3	79.0-123			1.39	20
(S) Toluene-d8				102	99.6	80.0-120				
(S) 4-Bromofluorobenzene				104	102	77.0-126				
(S) 1,2-Dichloroethane-d4				111	107	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3796487-2 05/25/22 10:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
2-Chloronaphthalene	U		0.0000682	0.000250
(S) Nitrobenzene-d5	144			31.0-160
(S) 2-Fluorobiphenyl	129			48.0-148
(S) p-Terphenyl-d14	149	J1		37.0-146

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3796487-1 05/25/22 10:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.00200	0.00192	96.0	67.0-150	
Acenaphthene	0.00200	0.00198	99.0	65.0-138	
Acenaphthylene	0.00200	0.00194	97.0	66.0-140	
Benzo(a)anthracene	0.00200	0.00185	92.5	61.0-140	
Benzo(a)pyrene	0.00200	0.00166	83.0	60.0-143	
Benzo(b)fluoranthene	0.00200	0.00180	90.0	58.0-141	
Benzo(g,h,i)perylene	0.00200	0.00145	72.5	52.0-153	
Benzo(k)fluoranthene	0.00200	0.00175	87.5	58.0-148	
Chrysene	0.00200	0.00209	105	64.0-144	
Dibenz(a,h)anthracene	0.00200	0.00147	73.5	52.0-155	
Fluoranthene	0.00200	0.00182	91.0	69.0-153	

Laboratory Control Sample (LCS)

(LCS) R3796487-1 05/25/22 10:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Fluorene	0.00200	0.00199	99.5	64.0-136	
Indeno(1,2,3-cd)pyrene	0.00200	0.00139	69.5	54.0-153	
Naphthalene	0.00200	0.00213	106	61.0-137	
Phenanthrene	0.00200	0.00206	103	62.0-137	
Pyrene	0.00200	0.00208	104	60.0-142	
1-Methylnaphthalene	0.00200	0.00206	103	66.0-142	
2-Methylnaphthalene	0.00200	0.00201	100	62.0-136	
2-Chloronaphthalene	0.00200	0.00203	102	64.0-140	
(S) Nitrobenzene-d5			120	31.0-160	
(S) 2-Fluorobiphenyl			101	48.0-148	
(S) p-Terphenyl-d14			117	37.0-146	

L1495652-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1495652-02 05/25/22 11:06 • (MS) R3796487-3 05/25/22 11:26 • (MSD) R3796487-4 05/25/22 11:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.00320	ND	0.00325	0.00286	102	89.4	1.6	56.0-156			12.8	20
Acenaphthene	0.00320	ND	0.00352	0.00313	110	97.8	1.6	44.0-153			11.7	20
Acenaphthylene	0.00320	ND	0.00306	0.00274	95.6	85.6	1.6	53.0-150			11.0	20
Benzo(a)anthracene	0.00320	ND	0.00331	0.00297	103	92.8	1.6	47.0-151			10.8	20
Benzo(a)pyrene	0.00320	ND	0.00338	0.00294	106	91.9	1.6	45.0-146			13.9	20
Benzo(b)fluoranthene	0.00320	ND	0.00355	0.00320	111	100	1.6	43.0-142			10.4	20
Benzo(g,h,i)perylene	0.00320	ND	0.00333	0.00291	104	90.9	1.6	40.0-147			13.5	20
Benzo(k)fluoranthene	0.00320	ND	0.00364	0.00310	114	96.9	1.6	43.0-148			16.0	21
Chrysene	0.00320	ND	0.00385	0.00345	120	108	1.6	50.0-148			11.0	20
Dibenz(a,h)anthracene	0.00320	ND	0.00331	0.00287	103	89.7	1.6	37.0-151			14.2	20
Fluoranthene	0.00320	ND	0.00317	0.00280	99.1	87.5	1.6	56.0-157			12.4	20
Fluorene	0.00320	ND	0.00386	0.00336	121	105	1.6	48.0-148			13.9	20
Indeno(1,2,3-cd)pyrene	0.00320	ND	0.00318	0.00274	99.4	85.6	1.6	41.0-148			14.9	20
Naphthalene	0.00320	ND	0.00389	0.00345	122	108	1.6	10.0-160			12.0	20
Phenanthrene	0.00320	ND	0.00370	0.00326	116	102	1.6	47.0-147			12.6	20
Pyrene	0.00320	ND	0.00395	0.00344	123	108	1.6	51.0-148			13.8	20
1-Methylnaphthalene	0.00320	ND	0.00367	0.00330	115	103	1.6	21.0-160			10.6	20
2-Methylnaphthalene	0.00320	ND	0.00361	0.00323	113	101	1.6	31.0-160			11.1	20
2-Chloronaphthalene	0.00320	ND	0.00358	0.00322	112	101	1.6	52.0-148			10.6	20
(S) Nitrobenzene-d5					124	109		31.0-160				
(S) 2-Fluorobiphenyl					110	99.4		48.0-148				
(S) p-Terphenyl-d14					136	119		37.0-146				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1495845-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1495845-01 05/25/22 12:07 • (MS) R3796487-5 05/25/22 12:27 • (MSD) R3796487-6 05/25/22 12:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	ND	0.00181	0.00176	90.5	88.0	1	56.0-156			2.80	20
Acenaphthene	0.00200	ND	0.00199	0.00191	99.5	95.5	1	44.0-153			4.10	20
Acenaphthylene	0.00200	ND	0.00192	0.00181	96.0	90.5	1	53.0-150			5.90	20
Benzo(a)anthracene	0.00200	ND	0.00181	0.00173	90.5	86.5	1	47.0-151			4.52	20
Benzo(a)pyrene	0.00200	ND	0.00189	0.00180	94.5	90.0	1	45.0-146			4.88	20
Benzo(b)fluoranthene	0.00200	ND	0.00196	0.00191	98.0	95.5	1	43.0-142			2.58	20
Benzo(g,h,i)perylene	0.00200	ND	0.00189	0.00173	94.5	86.5	1	40.0-147			8.84	20
Benzo(k)fluoranthene	0.00200	ND	0.00208	0.00192	104	96.0	1	43.0-148			8.00	21
Chrysene	0.00200	ND	0.00221	0.00211	111	105	1	50.0-148			4.63	20
Dibenz(a,h)anthracene	0.00200	ND	0.00192	0.00175	96.0	87.5	1	37.0-151			9.26	20
Fluoranthene	0.00200	ND	0.00175	0.00168	87.5	84.0	1	56.0-157			4.08	20
Fluorene	0.00200	ND	0.00199	0.00192	99.5	96.0	1	48.0-148			3.58	20
Indeno(1,2,3-cd)pyrene	0.00200	ND	0.00177	0.00164	88.5	82.0	1	41.0-148			7.62	20
Naphthalene	0.00200	ND	0.00220	0.00207	110	103	1	10.0-160			6.09	20
Phenanthrene	0.00200	ND	0.00207	0.00197	103	98.5	1	47.0-147			4.95	20
Pyrene	0.00200	ND	0.00219	0.00207	109	103	1	51.0-148			5.63	20
1-Methylnaphthalene	0.00200	ND	0.00212	0.00199	106	99.5	1	21.0-160			6.33	20
2-Methylnaphthalene	0.00200	ND	0.00204	0.00193	102	96.5	1	31.0-160			5.54	20
2-Chloronaphthalene	0.00200	ND	0.00207	0.00197	103	98.5	1	52.0-148			4.95	20
(S) Nitrobenzene-d5					115	113		31.0-160				
(S) 2-Fluorobiphenyl					101	97.0		48.0-148				
(S) p-Terphenyl-d14					119	114		37.0-146				

L1496423-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496423-02 05/25/22 17:08 • (MS) R3796487-7 05/25/22 17:28 • (MSD) R3796487-8 05/25/22 17:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	ND	0.00178	0.00180	89.0	90.0	1	56.0-156			1.12	20
Acenaphthene	0.00200	ND	0.00192	0.00194	96.0	97.0	1	44.0-153			1.04	20
Acenaphthylene	0.00200	ND	0.00184	0.00183	92.0	91.5	1	53.0-150			0.545	20
Benzo(a)anthracene	0.00200	ND	0.00176	0.00178	88.0	89.0	1	47.0-151			1.13	20
Benzo(a)pyrene	0.00200	ND	0.00185	0.00187	92.5	93.5	1	45.0-146			1.08	20
Benzo(b)fluoranthene	0.00200	ND	0.00198	0.00201	99.0	100	1	43.0-142			1.50	20
Benzo(g,h,i)perylene	0.00200	ND	0.00181	0.00185	90.5	92.5	1	40.0-147			2.19	20
Benzo(k)fluoranthene	0.00200	ND	0.00203	0.00204	102	102	1	43.0-148			0.491	21
Chrysene	0.00200	ND	0.00218	0.00221	109	111	1	50.0-148			1.37	20
Dibenz(a,h)anthracene	0.00200	ND	0.00181	0.00186	90.5	93.0	1	37.0-151			2.72	20
Fluoranthene	0.00200	ND	0.00170	0.00171	85.0	85.5	1	56.0-157			0.587	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1496423-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496423-02 05/25/22 17:08 • (MS) R3796487-7 05/25/22 17:28 • (MSD) R3796487-8 05/25/22 17:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluorene	0.00200	ND	0.00194	0.00196	97.0	98.0	1	48.0-148			1.03	20
Indeno(1,2,3-cd)pyrene	0.00200	ND	0.00167	0.00173	83.5	86.5	1	41.0-148			3.53	20
Naphthalene	0.00200	ND	0.00214	0.00216	107	108	1	10.0-160			0.930	20
Phenanthrene	0.00200	ND	0.00204	0.00202	102	101	1	47.0-147			0.985	20
Pyrene	0.00200	ND	0.00215	0.00218	108	109	1	51.0-148			1.39	20
1-Methylnaphthalene	0.00200	ND	0.00202	0.00201	101	100	1	21.0-160			0.496	20
2-Methylnaphthalene	0.00200	ND	0.00197	0.00197	98.5	98.5	1	31.0-160			0.000	20
2-Chloronaphthalene	0.00200	ND	0.00201	0.00201	100	100	1	52.0-148			0.000	20
(S) Nitrobenzene-d5					105	106		31.0-160				
(S) 2-Fluorobiphenyl					98.0	98.5		48.0-148				
(S) p-Terphenyl-d14					117	119		37.0-146				

L1495655-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1495655-01 05/25/22 18:28 • (MS) R3796487-9 05/25/22 18:48 • (MSD) R3796487-10 05/25/22 19:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	ND	0.00192	0.00187	96.0	93.5	1	56.0-156			2.64	20
Acenaphthene	0.00200	ND	0.00203	0.00202	102	101	1	44.0-153			0.494	20
Acenaphthylene	0.00200	ND	0.00199	0.00197	99.5	98.5	1	53.0-150			1.01	20
Benzo(a)anthracene	0.00200	ND	0.00183	0.00190	91.5	95.0	1	47.0-151			3.75	20
Benzo(a)pyrene	0.00200	ND	0.00187	0.00188	93.5	94.0	1	45.0-146			0.533	20
Benzo(b)fluoranthene	0.00200	ND	0.00199	0.00205	99.5	102	1	43.0-142			2.97	20
Benzo(g,h,i)perylene	0.00200	ND	0.00180	0.00183	90.0	91.5	1	40.0-147			1.65	20
Benzo(k)fluoranthene	0.00200	ND	0.00208	0.00207	104	103	1	43.0-148			0.482	21
Chrysene	0.00200	ND	0.00214	0.00224	107	112	1	50.0-148			4.57	20
Dibenz(a,h)anthracene	0.00200	ND	0.00178	0.00184	89.0	92.0	1	37.0-151			3.31	20
Fluoranthene	0.00200	ND	0.00199	0.00185	99.5	92.5	1	56.0-157			7.29	20
Fluorene	0.00200	ND	0.00213	0.00207	106	103	1	48.0-148			2.86	20
Indeno(1,2,3-cd)pyrene	0.00200	ND	0.00171	0.00172	85.5	86.0	1	41.0-148			0.583	20
Naphthalene	0.00200	ND	0.00226	0.00222	113	111	1	10.0-160			1.79	20
Phenanthrene	0.00200	ND	0.00215	0.00212	108	106	1	47.0-147			1.41	20
Pyrene	0.00200	ND	0.00212	0.00221	106	111	1	51.0-148			4.16	20
1-Methylnaphthalene	0.00200	ND	0.00215	0.00211	108	105	1	21.0-160			1.88	20
2-Methylnaphthalene	0.00200	ND	0.00205	0.00207	102	103	1	31.0-160			0.971	20
2-Chloronaphthalene	0.00200	ND	0.00214	0.00212	107	106	1	52.0-148			0.939	20
(S) Nitrobenzene-d5					117	117		31.0-160				
(S) 2-Fluorobiphenyl					106	102		48.0-148				
(S) p-Terphenyl-d14					115	116		37.0-146				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

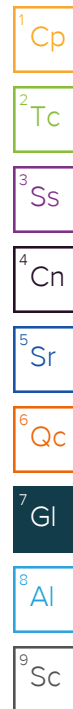
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.



ACCREDITATIONS & LOCATIONS

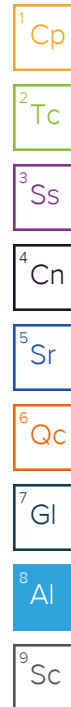
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

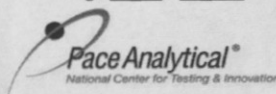
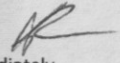
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Client: HRL Compliance Solutions Inc. 2385 F 1/2 RD Grand Junction, CO 81505				Billing Info: M. DeRose HRL Compliance Solutions 2385 F 1/2 Road Grand Junction, CO 81505				Analysis / Container / Preservative J064										Page <u>1</u> of <u>1</u>  Pace Analytical* National Center for Testing & Innovation 12065 Lebanon Rd Mount Juliet, TN 37122 Ph: 615-758-5858 Ph: 800-767-5859 Fax: 615-758-5859															
Report To: Kris Rowe				E-Mail: krowe@hrlcomp.com				L1496214										L# Table # Acct #: HRLCSCO Template: Prelogin: PM: 824 - Chris Ward PB: Shipped Via: FedEx Ground															
Project Description: Colorado Stone Quarries - Containment Waste Water						City/State Collected: COLORADO												Phone: 970-243-3271 Fax: 970-243-4380		Client Project #: Containment Waste Water		Lab Project #		Collected By: Kris Rowe		Site/Facility ID: CSQ Marble		P.O. #					
Collected By (Signature):  Immediately						Rush ? (lab must be notified) Same Day----- (200%) Next Day----- (100%) Two Day----- (50%) Three Day----- (25%)												Date Results Needed STD 5 days Email? ☐ No ☒ Yes Fax? ☒ No ☐ Yes				No. Of Cntrs		BTEX PAH Chloride		Rem/Contaminant		Sample #					
Packed on Ice N ☐ Y ☒		Sample ID		Comp/Grab		Matrix*												Depth		Date		Time		9		X		X		X		01	
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"		5/18/2022		12:00		9		X		X		X		01													
Containment Waste Water		Grab		Water		0-12"																											