

June 16, 2015

Rick Quinn
Waste Management
1488 Dawson Drive
Suite 102
Bridgeport, WV 26330

RE: Project: Fairmont Brine - Sludge Pit CI
Pace Project No.: 30150255

Dear Rick Quinn:

Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Timothy Reed
timothy.reed@pacelabs.com
Project Manager

Enclosures

cc: Joni Edgells-Smith, Waste Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ACCLASS DOD-ELAP Accreditation #: ADE-1544

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California/TNI Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

Florida/TNI Certification #: E87683

Guam/PADEP Certification

Hawaii/PADEP Certification

Idaho Certification

Illinois/PADEP Certification

Indiana/PADEP Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: 90133

Louisiana DHH/TNI Certification #: LA140008

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: PA00091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nebraska Certification #: NE-05-29-14

Nevada Certification

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188

Utah/TNI Certification #: PA014572014-4

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin/PADEP Certification

Wyoming Certification #: 8TMS-Q

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30150255001	Fairmont Brine - Sludge Pit Cl	Solid	06/08/15 09:25	06/09/15 15:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 6010B	RAC	11	PASI-PA
		EPA 7470A	RAC	1	PASI-PA
		EPA 8270C	DJL	18	PASI-PA
		EPA 8260B	CLG	13	PASI-PA
		ASTM D2974-87	TAW	1	PASI-PA
		EPA 901.1	MAH	10	PASI-PA
		EPA 1010	DEH	1	PASI-PA
		EPA 160.4	DEH	1	PASI-PA
		EPA 9045C	DEH	1	PASI-PA
		EPA 9071B	DLH	1	PASI-PA
		EPA 9095A	DEH	1	PASI-PA
		SW-846 7.3.4.2	KAS	1	PASI-PA
		EPA 9012A	BMS	1	PASI-PA

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ANALYTICAL RESULTS

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Sample: Fairmont Brine - Sludge Pit Cl **Lab ID:** 30150255001 **Collected:** 06/08/15 09:25 **Received:** 06/09/15 15:45 **Matrix:** Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010B Preparation Method: EPA 3005A									
Leachate Method/Date: EPA 1311; 06/11/15 15:23 Initial pH: 7.92; Final pH: 4.9									
Arsenic	ND	mg/L	0.050	0.0045	1	06/12/15 14:03	06/15/15 15:35	7440-38-2	
Barium	ND	mg/L	1.0	0.00080	1	06/12/15 14:03	06/15/15 15:35	7440-39-3	
Cadmium	ND	mg/L	0.050	0.00055	1	06/12/15 14:03	06/15/15 15:35	7440-43-9	
Chromium	ND	mg/L	0.050	0.00073	1	06/12/15 14:03	06/15/15 15:35	7440-47-3	
Copper	ND	mg/L	0.050	0.0020	1	06/12/15 14:03	06/15/15 15:35	7440-50-8	
Lead	ND	mg/L	0.050	0.0036	1	06/12/15 14:03	06/15/15 15:35	7439-92-1	
Nickel	0.12	mg/L	0.10	0.0017	1	06/12/15 14:03	06/15/15 15:35	7440-02-0	
Selenium	ND	mg/L	0.10	0.0046	1	06/12/15 14:03	06/15/15 15:35	7782-49-2	
Silver	ND	mg/L	0.050	0.00082	1	06/12/15 14:03	06/15/15 15:35	7440-22-4	
Strontium	65.9	mg/L	0.50	0.0052	10	06/12/15 14:03	06/15/15 16:43	7440-24-6	
Zinc	0.21	mg/L	0.20	0.0027	1	06/12/15 14:03	06/15/15 15:35	7440-66-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 06/11/15 15:23 Initial pH: 7.92; Final pH: 4.9									
Mercury	ND	ug/L	1.0	0.022	1	06/12/15 13:23	06/15/15 09:57	7439-97-6	
8270 MSSV TCLP									
Analytical Method: EPA 8270C Preparation Method: EPA 3535A									
Leachate Method/Date: EPA 1311; 06/11/15 15:23 Initial pH: 7.92; Final pH: 4.9									
1,4-Dichlorobenzene	ND	ug/L	500	9.0	1	06/15/15 09:35	06/15/15 16:49	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	35.3	1	06/15/15 09:35	06/15/15 16:49	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	7.9	1	06/15/15 09:35	06/15/15 16:49	87-68-3	
Hexachlorobenzene	ND	ug/L	100	13.5	1	06/15/15 09:35	06/15/15 16:49	118-74-1	
Hexachloroethane	ND	ug/L	500	15.1	1	06/15/15 09:35	06/15/15 16:49	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	2000	16.8	1	06/15/15 09:35	06/15/15 16:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2000	39.9	1	06/15/15 09:35	06/15/15 16:49		
Nitrobenzene	ND	ug/L	100	13.0	1	06/15/15 09:35	06/15/15 16:49	98-95-3	
Pentachlorophenol	ND	ug/L	5000	45.3	1	06/15/15 09:35	06/15/15 16:49	87-86-5	M1
Pyridine	ND	ug/L	500	17.6	1	06/15/15 09:35	06/15/15 16:49	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	5000	21.9	1	06/15/15 09:35	06/15/15 16:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	21.7	1	06/15/15 09:35	06/15/15 16:49	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	38-129		1	06/15/15 09:35	06/15/15 16:49	4165-60-0	
2-Fluorobiphenyl (S)	74	%	49-105		1	06/15/15 09:35	06/15/15 16:49	321-60-8	
Terphenyl-d14 (S)	56	%	10-101		1	06/15/15 09:35	06/15/15 16:49	1718-51-0	
Phenol-d6 (S)	83	%	48-121		1	06/15/15 09:35	06/15/15 16:49	13127-88-3	
2-Fluorophenol (S)	89	%	51-128		1	06/15/15 09:35	06/15/15 16:49	367-12-4	
2,4,6-Tribromophenol (S)	90	%	64-115		1	06/15/15 09:35	06/15/15 16:49	118-79-6	
8260 MSV TCLP									
Analytical Method: EPA 8260B Leachate Method/Date: EPA 1311; 06/11/15 18:34									
Benzene	192	ug/L	50.0	0.16	1		06/12/15 14:26	71-43-2	
2-Butanone (MEK)	ND	ug/L	5000	2.4	1		06/12/15 14:26	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	0.22	1		06/12/15 14:26	56-23-5	
Chlorobenzene	ND	ug/L	1000	0.13	1		06/12/15 14:26	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Sample: Fairmont Brine - Sludge Pit Cl **Lab ID:** 30150255001 **Collected:** 06/08/15 09:25 **Received:** 06/09/15 15:45 **Matrix:** Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP Analytical Method: EPA 8260B Leachate Method/Date: EPA 1311; 06/11/15 18:34									
Chloroform	ND	ug/L	500	0.19	1		06/12/15 14:26	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	0.36	1		06/12/15 14:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	0.26	1		06/12/15 14:26	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	0.29	1		06/12/15 14:26	127-18-4	
Trichloroethene	ND	ug/L	50.0	0.33	1		06/12/15 14:26	79-01-6	
Vinyl chloride	ND	ug/L	50.0	0.20	1		06/12/15 14:26	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	84-124		1		06/12/15 14:26	17060-07-0	
Toluene-d8 (S)	105	%	79-118		1		06/12/15 14:26	2037-26-5	
4-Bromofluorobenzene (S)	102	%	84-113		1		06/12/15 14:26	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	55.0	%	0.10	0.10	1		06/15/15 17:41		
1010 Flashpoint,Closed Cup Analytical Method: EPA 1010									
Flashpoint	>200	deg F	60.0		1		06/10/15 14:30		
160.4 Total Volatile Solids Analytical Method: EPA 160.4									
Total Volatile Solids	10.2	% (w/w)	10.0	10.0	1		06/10/15 14:37		
9045 pH Soil Analytical Method: EPA 9045C									
pH at 25 Degrees C	5.9	Std. Units	1.0	1.0	1		06/09/15 23:23		
9071 Oil and Grease/TPH Analytical Method: EPA 9071B Preparation Method: EPA 9071B									
Oil and Grease	26900	mg/kg	222	24.9	1	06/12/15 12:00	06/15/15 08:00		
9095 Paint Filter Liquid Test Analytical Method: EPA 9095A									
Free Liquids	FAIL		1.0	1.0	1		06/10/15 15:00		
735S Reactive Sulfide Analytical Method: SW-846 7.3.4.2									
Sulfide, Reactive	ND	mg/kg	22.1	22.1	1		06/10/15 18:00		
9012 Cyanide, Total Analytical Method: EPA 9012A Preparation Method: EPA 9012A									
Cyanide	ND	mg/kg	1.1	0.17	1	06/15/15 18:00	06/15/15 21:47	57-12-5	M1,R1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: MERP/6597

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 30150255001

METHOD BLANK: 906820

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	1.0	06/15/15 09:12	

LABORATORY CONTROL SAMPLE: 906821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	100	85-115	

MATRIX SPIKE SAMPLE: 906823

Parameter	Units	30149653002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1.0 U	2.5	2.6	104	80-120	

MATRIX SPIKE SAMPLE: 906825

Parameter	Units	30149957001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.000022U mg/L	2.5	2.8	111	80-120	

SAMPLE DUPLICATE: 906822

Parameter	Units	30149653002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	1.0 U	ND		20	

SAMPLE DUPLICATE: 906824

Parameter	Units	30149957001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.000022U mg/L	ND		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: MPRP/15754

Analysis Method: EPA 6010B

QC Batch Method: EPA 3005A

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 30150255001

METHOD BLANK: 906876

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.050	06/15/15 15:56	
Barium	mg/L	ND	1.0	06/15/15 15:56	
Cadmium	mg/L	ND	0.050	06/15/15 15:56	
Chromium	mg/L	ND	0.050	06/15/15 15:56	
Copper	mg/L	ND	0.050	06/15/15 15:56	
Lead	mg/L	ND	0.050	06/15/15 15:56	
Nickel	mg/L	ND	0.10	06/15/15 15:56	
Selenium	mg/L	ND	0.10	06/15/15 15:56	
Silver	mg/L	ND	0.050	06/15/15 15:56	
Strontium	mg/L	ND	0.050	06/15/15 15:56	
Zinc	mg/L	ND	0.20	06/15/15 15:56	

LABORATORY CONTROL SAMPLE: 906877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.49	99	80-120	
Barium	mg/L	.5	.49J	98	80-120	
Cadmium	mg/L	.5	0.51	103	80-120	
Chromium	mg/L	.5	0.52	105	80-120	
Copper	mg/L	.5	0.49	98	80-120	
Lead	mg/L	.5	0.50	99	80-120	
Nickel	mg/L	.5	0.50	101	80-120	
Selenium	mg/L	.5	0.50	101	80-120	
Silver	mg/L	.25	0.25	100	80-120	
Strontium	mg/L	.5	0.49	99	80-120	
Zinc	mg/L	.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906879

906880

Parameter	Units	30149653002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.050 U	.5	.5	0.53	0.54	106	107	75-125	0	20	
Barium	mg/L	0.61J	.5	.5	1.1	1.2	108	110	75-125	1	20	
Cadmium	mg/L	0.050 U	.5	.5	0.53	0.53	106	107	75-125	1	20	
Chromium	mg/L	0.00077J	.5	.5	0.49	0.50	99	100	75-125	2	20	
Copper	mg/L	0.0088J	.5	.5	0.51	0.51	100	101	75-125	1	20	
Lead	mg/L	0.013J	.5	.5	0.51	0.51	99	99	75-125	0	20	
Nickel	mg/L	0.0055J	.5	.5	0.45	0.46	89	90	75-125	1	20	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906879 906880											
Parameter	Units	30149653002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Selenium	mg/L	0.0063J	.5	.5	0.56	0.56	110	111	75-125	1	20
Silver	mg/L	0.050 U	.25	.25	0.27	0.27	107	109	75-125	2	20
Strontium	mg/L	0.15	.5	.5	0.65	0.66	101	103	75-125	1	20
Zinc	mg/L	0.038J	.5	.5	0.52	0.53	96	98	75-125	2	20

MATRIX SPIKE SAMPLE: 906882							
Parameter	Units	30149957001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.0049J	.5	0.56	112	75-125	
Barium	mg/L	0.77J	.5	1.3	107	75-125	
Cadmium	mg/L	0.00055U	.5	0.57	113	75-125	
Chromium	mg/L	0.0012J	.5	0.51	101	75-125	
Copper	mg/L	0.0020U	.5	0.53	107	75-125	
Lead	mg/L	0.0036U	.5	0.51	103	75-125	
Nickel	mg/L	0.0042J	.5	0.46	92	75-125	
Selenium	mg/L	0.0094J	.5	0.59	117	75-125	
Silver	mg/L	0.00082U	.25	0.29	117	75-125	
Strontium	mg/L	1.9	.5	2.4	113	75-125	
Zinc	mg/L	0.0073J	.5	0.50	100	75-125	

SAMPLE DUPLICATE: 906878

Parameter	Units	30149653002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.050 U	.0047J		20	
Barium	mg/L	0.61J	.6J		20	
Cadmium	mg/L	0.050 U	ND		20	
Chromium	mg/L	0.00077J	ND		20	
Copper	mg/L	0.0088J	.0083J		20	
Lead	mg/L	0.013J	.011J		20	
Nickel	mg/L	0.0055J	.0066J		20	
Selenium	mg/L	0.0063J	.0056J		20	
Silver	mg/L	0.050 U	ND		20	
Strontium	mg/L	0.15	0.15	1	20	
Zinc	mg/L	0.038J	.039J		20	

SAMPLE DUPLICATE: 906881

Parameter	Units	30149957001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.0049J	ND		20	
Barium	mg/L	0.77J	.78J		20	
Cadmium	mg/L	0.00055U	ND		20	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

SAMPLE DUPLICATE: 906881

Parameter	Units	30149957001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium	mg/L	0.0012J	ND		20	
Copper	mg/L	0.0020U	ND		20	
Lead	mg/L	0.0036U	ND		20	
Nickel	mg/L	0.0042J	.005J		20	
Selenium	mg/L	0.0094J	.01J		20	
Silver	mg/L	0.00082U	ND		20	
Strontium	mg/L	1.9	1.9	0	20	
Zinc	mg/L	0.0073J	.0075J		20	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: MSV/23797

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260 MSV TCLP

Associated Lab Samples: 30150255001

METHOD BLANK: 906715

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	06/12/15 11:26	
1,2-Dichloroethane	ug/L	ND	50.0	06/12/15 11:26	
2-Butanone (MEK)	ug/L	ND	5000	06/12/15 11:26	
Benzene	ug/L	ND	50.0	06/12/15 11:26	
Carbon tetrachloride	ug/L	ND	50.0	06/12/15 11:26	
Chlorobenzene	ug/L	ND	1000	06/12/15 11:26	
Chloroform	ug/L	ND	500	06/12/15 11:26	
Tetrachloroethene	ug/L	ND	50.0	06/12/15 11:26	
Trichloroethene	ug/L	ND	50.0	06/12/15 11:26	
Vinyl chloride	ug/L	ND	50.0	06/12/15 11:26	
1,2-Dichloroethane-d4 (S)	%	95	84-124	06/12/15 11:26	
4-Bromofluorobenzene (S)	%	103	84-113	06/12/15 11:26	
Toluene-d8 (S)	%	102	79-118	06/12/15 11:26	

LABORATORY CONTROL SAMPLE: 906716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	200	213	107	58-126	
1,2-Dichloroethane	ug/L	200	195	98	66-124	
2-Butanone (MEK)	ug/L	200	215J	108	69-126	
Benzene	ug/L	200	241	120	69-123	
Carbon tetrachloride	ug/L	200	234	117	52-133	
Chlorobenzene	ug/L	200	233J	116	72-121	
Chloroform	ug/L	200	209J	105	63-123	
Tetrachloroethene	ug/L	200	230	115	62-131	
Trichloroethene	ug/L	200	228	114	66-125	
Vinyl chloride	ug/L	200	207	104	58-131	
1,2-Dichloroethane-d4 (S)	%			88	84-124	
4-Bromofluorobenzene (S)	%			101	84-113	
Toluene-d8 (S)	%			105	79-118	

MATRIX SPIKE SAMPLE: 906750

Parameter	Units	30149813001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	200	179	90	58-126	
1,2-Dichloroethane	ug/L	ND	200	189	95	66-124	
2-Butanone (MEK)	ug/L	ND	200	190J	95	69-126	
Benzene	ug/L	ND	200	181	91	69-123	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

MATRIX SPIKE SAMPLE:		906750					
Parameter	Units	30149813001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	ND	200	197	98	52-133	
Chlorobenzene	ug/L	ND	200	178J	89	72-121	
Chloroform	ug/L	ND	200	181J	91	63-123	
Tetrachloroethene	ug/L	ND	200	187	93	62-131	
Trichloroethene	ug/L	ND	200	182	91	66-125	
Vinyl chloride	ug/L	ND	200	172	86	58-131	
1,2-Dichloroethane-d4 (S)	%				105	84-124	
4-Bromofluorobenzene (S)	%				103	84-113	
Toluene-d8 (S)	%				99	79-118	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		906751						906752				
Parameter	Units	30150424001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	200	200	223	151	112	75	58-126	39	30	R1
1,2-Dichloroethane	ug/L	ND	200	200	241	151	120	75	66-124	46	30	R1
2-Butanone (MEK)	ug/L	ND	200	200	226J	159J	113	79	69-126		30	
Benzene	ug/L	ND	200	200	236	150	118	75	69-123	45	30	R1
Carbon tetrachloride	ug/L	ND	200	200	259	165	130	83	52-133	44	30	R1
Chlorobenzene	ug/L	ND	200	200	238J	150J	119	75	72-121		30	
Chloroform	ug/L	ND	200	200	232J	147J	116	73	63-123		30	
Tetrachloroethene	ug/L	ND	200	200	224	149	112	74	62-131	40	30	R1
Trichloroethene	ug/L	ND	200	200	238	150	119	75	66-125	45	30	R1
Vinyl chloride	ug/L	ND	200	200	191	154	95	77	58-131	21	30	
1,2-Dichloroethane-d4 (S)	%						103	116	84-124			
4-Bromofluorobenzene (S)	%						98	100	84-113			
Toluene-d8 (S)	%						102	99	79-118			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: OEXT/24026

Analysis Method: EPA 8270C

QC Batch Method: EPA 3535A

Analysis Description: 8270 TCLP MSSV

Associated Lab Samples: 30150255001

METHOD BLANK: 907395

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	06/15/15 10:48	
2,4,5-Trichlorophenol	ug/L	ND	5000	06/15/15 10:48	
2,4,6-Trichlorophenol	ug/L	ND	100	06/15/15 10:48	
2,4-Dinitrotoluene	ug/L	ND	100	06/15/15 10:48	
2-Methylphenol(o-Cresol)	ug/L	ND	2000	06/15/15 10:48	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	06/15/15 10:48	
Hexachloro-1,3-butadiene	ug/L	ND	100	06/15/15 10:48	
Hexachlorobenzene	ug/L	ND	100	06/15/15 10:48	
Hexachloroethane	ug/L	ND	500	06/15/15 10:48	
Nitrobenzene	ug/L	ND	100	06/15/15 10:48	
Pentachlorophenol	ug/L	ND	5000	06/15/15 10:48	
Pyridine	ug/L	ND	500	06/15/15 10:48	
2,4,6-Tribromophenol (S)	%	82	64-115	06/15/15 10:48	
2-Fluorobiphenyl (S)	%	74	49-105	06/15/15 10:48	
2-Fluorophenol (S)	%	88	51-128	06/15/15 10:48	
Nitrobenzene-d5 (S)	%	85	38-129	06/15/15 10:48	
Phenol-d6 (S)	%	83	48-121	06/15/15 10:48	
Terphenyl-d14 (S)	%	58	10-101	06/15/15 10:48	

METHOD BLANK: 907400

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	06/15/15 11:28	
2,4,5-Trichlorophenol	ug/L	ND	5000	06/15/15 11:28	
2,4,6-Trichlorophenol	ug/L	ND	100	06/15/15 11:28	
2,4-Dinitrotoluene	ug/L	ND	100	06/15/15 11:28	
2-Methylphenol(o-Cresol)	ug/L	ND	2000	06/15/15 11:28	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	06/15/15 11:28	
Hexachloro-1,3-butadiene	ug/L	ND	100	06/15/15 11:28	
Hexachlorobenzene	ug/L	ND	100	06/15/15 11:28	
Hexachloroethane	ug/L	ND	500	06/15/15 11:28	
Nitrobenzene	ug/L	ND	100	06/15/15 11:28	
Pentachlorophenol	ug/L	ND	5000	06/15/15 11:28	
Pyridine	ug/L	ND	500	06/15/15 11:28	
2,4,6-Tribromophenol (S)	%	80	64-115	06/15/15 11:28	
2-Fluorobiphenyl (S)	%	74	49-105	06/15/15 11:28	
2-Fluorophenol (S)	%	89	51-128	06/15/15 11:28	
Nitrobenzene-d5 (S)	%	83	38-129	06/15/15 11:28	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

METHOD BLANK: 907400

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenol-d6 (S)	%	83	48-121	06/15/15 11:28	
Terphenyl-d14 (S)	%	56	10-101	06/15/15 11:28	

LABORATORY CONTROL SAMPLE: 907396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	357J	71	49-85	
2,4,5-Trichlorophenol	ug/L	500	437J	87	63-117	
2,4,6-Trichlorophenol	ug/L	500	419	84	61-110	
2,4-Dinitrotoluene	ug/L	500	409	82	51-113	
2-Methylphenol(o-Cresol)	ug/L	500	411J	82	64-109	
3&4-Methylphenol(m&p Cresol)	ug/L	1000	853J	85	64-113	
Hexachloro-1,3-butadiene	ug/L	500	322	64	43-95	
Hexachlorobenzene	ug/L	500	246	49	33-80	
Hexachloroethane	ug/L	500	347J	69	44-93	
Nitrobenzene	ug/L	500	433	87	61-126	
Pentachlorophenol	ug/L	500	512J	102	40-111	
Pyridine	ug/L	500	139J	28	10-63	
2,4,6-Tribromophenol (S)	%			82	64-115	
2-Fluorobiphenyl (S)	%			71	49-105	
2-Fluorophenol (S)	%			86	51-128	
Nitrobenzene-d5 (S)	%			83	38-129	
Phenol-d6 (S)	%			82	48-121	
Terphenyl-d14 (S)	%			52	10-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 907398

907399

Parameter	Units	30150255001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	500	500	395J	417J	79	83	49-85		46	
2,4,5-Trichlorophenol	ug/L	ND	500	500	448J	477J	90	95	63-117		38	
2,4,6-Trichlorophenol	ug/L	ND	500	500	433	471	87	94	61-110	8	36	
2,4-Dinitrotoluene	ug/L	ND	500	500	415	451	83	90	51-113	8	43	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	418J	454J	81	89	64-109		33	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	1000	1000	849J	927J	85	93	64-113		33	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	367	389	73	78	43-95	6	49	
Hexachlorobenzene	ug/L	ND	500	500	287	330	57	66	33-80	14	62	
Hexachloroethane	ug/L	ND	500	500	301J	322J	60	64	44-93		53	
Nitrobenzene	ug/L	ND	500	500	429	461	86	92	61-126	7	38	
Pentachlorophenol	ug/L	ND	500	500	562J	603J	112	121	40-111		46 M1	
Pyridine	ug/L	ND	500	500	108J	132J	22	26	10-63		51	
2,4,6-Tribromophenol (S)	%						90	97	64-115			

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 907398 907399												
Parameter	Units	30150255001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
2-Fluorobiphenyl (S)	%						77	80	49-105			
2-Fluorophenol (S)	%						90	96	51-128			
Nitrobenzene-d5 (S)	%						84	90	38-129			
Phenol-d6 (S)	%						84	91	48-121			
Terphenyl-d14 (S)	%						69	84	10-101			

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch:	PMST/5395	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	30150255001		

SAMPLE DUPLICATE: 907855

Parameter	Units	30149555001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.2	20.7	2	20	

SAMPLE DUPLICATE: 907856

Parameter	Units	30149555004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.8	14.5	48	20	D6

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: WET/28683

Analysis Method: EPA 1010

QC Batch Method: EPA 1010

Analysis Description: 1010 Flash Point, Closed Cup

Associated Lab Samples: 30150255001

METHOD BLANK: 905329

Matrix: Water

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Flashpoint	deg F	>200	60.0	06/10/15 14:30	

SAMPLE DUPLICATE: 905330

Parameter	Units	30150184001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>200	>200			

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: WET/28679

Analysis Method: EPA 160.4

QC Batch Method: EPA 160.4

Analysis Description: 160.4 Total Volatile Solids

Associated Lab Samples: 30150255001

METHOD BLANK: 905316

Matrix: Solid

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Volatile Solids	% (w/w)	ND	10.0	06/10/15 14:37	

SAMPLE DUPLICATE: 905317

Parameter	Units	30150256001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Volatile Solids	% (w/w)	76.7	79.5	4	20	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: WET/28670

Analysis Method: EPA 9045C

QC Batch Method: EPA 9045C

Analysis Description: 9045 pH

Associated Lab Samples: 30150255001

SAMPLE DUPLICATE: 904979

Parameter	Units	30150256001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.3	8.3	0	10	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: WET/28732

Analysis Method: EPA 9071B

QC Batch Method: EPA 9071B

Analysis Description: 9071 ASE, Oil and Grease/TPH

Associated Lab Samples: 30150255001

METHOD BLANK: 907040

Matrix: Solid

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/kg	ND	98.6	06/15/15 08:00	

LABORATORY CONTROL SAMPLE: 907041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/kg	1590	1530	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 907042

907043

Parameter	Units	30150383001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/kg	358	1630	1630	2080	2040	106	104	85-115	2	20	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: WET/28682

Analysis Method: EPA 9095A

QC Batch Method: EPA 9095A

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Associated Lab Samples: 30150255001

SAMPLE DUPLICATE: 905328

Parameter	Units	30150223001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		PASS	PASS			

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch:	WETA/20267	Analysis Method:	SW-846 7.3.4.2
QC Batch Method:	SW-846 7.3.4.2	Analysis Description:	734S Reactive Sulfide
Associated Lab Samples:	30150255001		

METHOD BLANK: 905434

Matrix: Solid

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	10	06/10/15 18:00	

SAMPLE DUPLICATE: 905672

Parameter	Units	30149951001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	9.9U	ND		20	

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QUALITY CONTROL DATA

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: WETA/20310

Analysis Method: EPA 9012A

QC Batch Method: EPA 9012A

Analysis Description: 9012 Cyanide

Associated Lab Samples: 30150255001

METHOD BLANK: 907831

Matrix: Solid

Associated Lab Samples: 30150255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	ND	0.60	06/15/15 21:47	

LABORATORY CONTROL SAMPLE: 907832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	5	5.2	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 907833

907834

Parameter	Units	30150255001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	ND	5.6	5.3	4.9	3.9	73	57	90-110	22	20	M1, R1

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Sample: Fairmont Brine - Sludge Pit Cl **Lab ID:** 30150255001 **Collected:** 06/08/15 09:25 **Received:** 06/09/15 15:45 **Matrix:** Solid

PWS: **Site ID:** **Sample Type:**

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Antimony-124	EPA 901.1	0.000 ± 0.674 (2.037) C:NA T:NA	pCi/g	06/15/15 16:51	14683-10-4	
Cobalt-60	EPA 901.1	0.000 ± 0.565 (1.683) C:NA T:NA	pCi/g	06/15/15 16:51	10198-40-0	
Iridium-192	EPA 901.1	0.000 ± 0.634 (1.680) C:NA T:NA	pCi/g	06/15/15 16:51	14694-69-0	
Potassium-40	EPA 901.1	26.630 ± 19.036 (17.130) C:NA T:NA	pCi/g	06/15/15 16:51	13966-00-2	
Radium-226	EPA 901.1	1453.500 ± 200.780 (44.630) C:NA T:NA	pCi/g	06/15/15 16:51	13982-63-3	
Radium-228	EPA 901.1	303.750 ± 40.774 (7.817) C:NA T:NA	pCi/g	06/15/15 16:51	15262-20-1	
Scandium-46	EPA 901.1	1.268 ± 1.784 (1.774) C:NA T:NA	pCi/g	06/15/15 16:51	13967-63-0	
Silver-110M	EPA 901.1	2.381 ± 1.567 (1.549) C:NA T:NA	pCi/g	06/15/15 16:51	14391-76-5	
Thorium-232	EPA 901.1	162.200 ± 392.170 (478.000) C:NA T:NA	pCi/g	06/15/15 16:51	7440-29-1	
Uranium-238	EPA 901.1	94.336 ± 17.406 (17.780) C:NA T:NA	pCi/g	06/15/15 16:51		

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

QC Batch: RADC/24797

Analysis Method: EPA 901.1

QC Batch Method: EPA 901.1

Analysis Description: 901.1 Gamma Spec

Associated Lab Samples: 30150255001

METHOD BLANK: 906067

Matrix: Solid

Associated Lab Samples: 30150255001

Parameter	Act ± Unc (MDC) Carr Trac		Units	Analyzed	Qualifiers
Antimony-124	0.000 ± 0.033	(0.159) C:NA T:NA	pCi/g	06/11/15 13:35	
Cobalt-60	0.003 ± 0.106	(0.135) C:NA T:NA	pCi/g	06/11/15 13:35	
Iridium-192	0.042 ± 0.058	(0.097) C:NA T:NA	pCi/g	06/11/15 13:35	
Potassium-40	0.028 ± 1.455	(1.615) C:NA T:NA	pCi/g	06/11/15 13:35	
Radium-226	0.454 ± 1.910	(2.506) C:NA T:NA	pCi/g	06/11/15 13:35	
Radium-228	0.093 ± 0.172	(0.554) C:NA T:NA	pCi/g	06/11/15 13:35	
Scandium-46	0.000 ± 0.015	(0.131) C:NA T:NA	pCi/g	06/11/15 13:35	
Silver-110M	0.043 ± 0.073	(0.080) C:NA T:NA	pCi/g	06/11/15 13:35	
Thorium-232	0.000 ± 23.005	(78.470) C:NA T:NA	pCi/g	06/11/15 13:35	
Uranium-238	0.000 ± 0.888	(1.950) C:NA T:NA	pCi/g	06/11/15 13:35	

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QUALIFIERS

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Fairmont Brine - Sludge Pit Cl

Pace Project No.: 30150255

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 3005A	MPRP/15754	EPA 6010B	ICP/14949
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 7470A	MERP/6597	EPA 7470A	MERC/6295
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 3535A	OEXT/24026	EPA 8270C	MSSV/7735
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 8260B	MSV/23797		
30150255001	Fairmont Brine - Sludge Pit Cl	ASTM D2974-87	PMST/5395		
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 901.1	RADC/24797		
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 1010	WET/28683		
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 160.4	WET/28679		
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 9045C	WET/28670		
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 9071B	WET/28732	EPA 9071B	WET/28733
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 9095A	WET/28682		
30150255001	Fairmont Brine - Sludge Pit Cl	SW-846 7.3.4.2	WETA/20267		
30150255001	Fairmont Brine - Sludge Pit Cl	EPA 9012A	WETA/20310	EPA 9012A	WETA/20313

REPORT OF LABORATORY ANALYSIS

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REGULATORY AGENCY

(N/

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30150255

David Pichette - Fairmont Brine samples sent in yesterday

From: "Quinn, Richard" <rquinn2@wm.com>
To: David Pichette <David.Pichette@pacelabs.com>, Kirk Eastham <kirk.eastham...>
Date: 6/10/2015 9:42 AM
Subject: Fairmont Brine samples sent in yesterday

Can we add Cobalt 60 and silver 110?

Rick Quinn
Environmental Protection Specialist
rquinn2@wm.com

Waste Management
Energy Services
1488 Dawson Dr, STE 102
Bridgeport, WV 26330
Cell [304-844-1580](tel:304-844-1580)

Energy Services Dispatch 24/7
Tel [681-456-6971](tel:681-456-6971)
eFax [866-863-4769](tel:866-863-4769)
OilfieldDispatch@wm.com

Recycling is a good thing. Please recycle any printed emails.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>



Sample Condition Upon Receipt

Client Name: Wm

Project # 30150255

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no Biological Tissue is Frozen: Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags _____ None _____ Other _____

Thermometer Used B Type of Ice: Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temp.: Observed Temp.: 2.1 °C Correction Factor: to 1 °C Final Temp: 2.2 °C

Date and Initials of person

examining contents: Am
6/9/15

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☒ No ☐ N/A	12. no ID - sample says: Fairmont Brine Box vB1447
-Includes date/time/ID/Analysis Matrix: <u>SL</u>		
All containers needing preservation have been checked.	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A	
exceptions: VOA, coliform, TOC, O&G, Phenols	☐ Yes ☒ No	Initial when completed <u>Am</u> Lot # of added preservative
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: The sample is the correct sample

Project Manager Review: _____

Date: 6/9/15 2:10 PM

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

[illegible]