

OPERATIONS REPORT – NEVADA DIVISION

December 2014 Report to the City of Nevada

OPERATING DIVISIONS

MISSOURI

Atchison County

Bonne Terre

Boonville

Bowling Green

Buchanan County #1

Cameron

Cape Girardeau

Craig

East Central Missouri

Water & Sewer Authority

Elsberry

Fayette

Franklin County #1

Franklin County #3

Henry County Water Company

Henry County #3

Lake Ozark/ Osage Beach

Lincoln County #1

Nevada

Parkville

Phelps County #2

Platte County #C-1

Ralls County #1

Russelville

St Charles County #2

St Genevieve

Sedalia

Versailles

Water Treatment Plant Operations & Maintenance

1. An emergency repair was completed on the product line performed by local contractor.
2. Staff replaced the chlorine feed manifold as preventive maintenance.
3. Staff replaced RO vessel 6a. The original vessel had a leak in the sidewall.
4. Chemical feed nozzles were changed out and a cleaning cycle was performed on the primary odor scrubber.
5. Staff replaced a leaking vent/drain line on the continuous chlorine monitor.
6. Staff repaired a small leak on the odor scrubber chlorine ejector.

Waste Water Treatment Plant Operations & Maintenance

1. Staff cleaned #2 and #4 lift station wet wells.
2. An emergency exit sign was added to the MCC room to enhance safety.
3. Completed the Industrial Pre-Treatment Permit renewal process with each industry.
4. Staff repaired security lighting at the UV building.
5. Gravel was added to lift stations #3 and #4 access roads.
6. Staff replaced a ruptured brake line on a fleet truck.
7. SOUR testing was performed to check sludge condition in digesters.

Waste Water Collection / Water Distribution

1. Staff repaired the trailer brakes on the equipment trailer.
2. Staff repaired 2 water service leak during the month.
3. Staff installed a new engine on the power rake, use for doing yard repairs following any water/sewer service work.
4. A new steering box was installed on the jet/vac truck to replace a failed unit. Also a leaking water pump was replaced.
5. Staff lowered 2 meter sets to prevent freezing issues.
6. New procedures were established to comply with new MO-One Call regulations that take affect 1/1/15.
7. Several emergency calls were responded to late in the month due to extreme cold temperatures.

OPERATIONS REPORT – NEVADA DIVISION

Recommendations

1. Change language of City code Sec. 40-4 and 40-11 to minimize possible liability. Responsibility should be from the water main to the first point of shut off, whether it is a corporate shut off (curb stop) or inside the meter box.

OPERATIONS REPORT – NEVADA DIVISION

WATER TREATMENT PLANT PERFORMANCE

4 Log Sampling

Parameter	Monthly Average
pH	8.52
Temperature	19.7
Lowest Cl ₂ residual	1.8

Bacteriological Results

Date	Results (Absent or Present)
12/9/14	A
12/23/14	A

Flow Totals (Million Gallons per Day)

Meter	Average Daily Flow	Total Monthly Flow
Feed	0.69 MGD	21.26 MG
Product	0.50 MGD	15.47 MG
Blend	0.19 MGD	5.86 MG
Brine	0.19 MGD	5.89 MG
Distribution	0.72 MGD	22.18 MG

OPERATIONS REPORT – NEVADA DIVISION

WASTE WATER TREATMENT PLANT PERFORMANCE

NPDES Effluent Limits

Parameter	Monthly Average	Permit Limit
pH	7.1 min. and 7.3 max.	6.5 - 9.0
TSS	3 mg/L	20 mg/L
BOD ₅	4 mg/L	20 mg/L
NH ₃ -N	0.36 mg/L	1.40 mg/L
E. coli	N/A November 1 – March 31	206 #/100mL
Oil & Grease	2.5 mg/L	10 mg/L

Flow Totals (Million Gallons per Day)

Average Daily Flow	Total Monthly Flow
0.84 MGD	26.11 MG

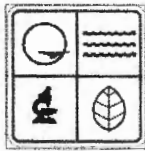
Biosolids

	Report Period	Year to Date
Quantity Applied	0.0 dry tons	135.2 dry tons
Acres Applied	0.0 acres applied	204.3 acres applied

OPERATIONS REPORT – NEVADA DIVISION

December 2014 Customer Service Work Orders

Action	Completed This Period	Completed Year to Date
Connect	41	525
Disconnect	47	569
Cut Off	0	1
Meter Info	170	2,330
Meter Change	48	648
OCC Change	57	835
Reinstate	80	624
Service Change	0	0
Miscellaneous	14	230
TOTALS	457	5,759
Utility Locates	50	1293



**Missouri Department Of Natural Resources
Public Drinking Water Branch
P.O. Box 176
Jefferson City, MO 65102
(573)751-5331**



Public Water System Bacteriological Report

PWS Name : NEVADA	PWS ID : MO5010562
Mail to : JOSEPH TIPPER	County : VERNON
1300 W CHERRY	
NEVADA, MO 64772	Please notify us of any name and address changes

Date Collected : 12/09/2014	Collector : ML	Sample Type : Routine
Lab Sample ID : 51767	Location Name: COUNTRY CLUB DRIVE	Location ID: NEVADA7
		Lab Results : A

Coliform absent. Sample considered safe.

Date Collected : 12/09/2014	Collector : ML	Sample Type : Routine
Lab Sample ID : 51765	Location Name: 200 N ASH	Location ID: NEVADA 10
		Lab Results : A

Coliform absent. Sample considered safe.

Date Collected : 12/09/2014	Collector : ML	Sample Type : Routine
Lab Sample ID : 51768	Location Name: 501 S JEFFERSON	Location ID: NEVADA5
		Lab Results : A

Coliform absent. Sample considered safe.

Date Collected : 12/09/2014	Collector : ML	Sample Type : Routine
Lab Sample ID : 51769	Location Name: 1400 W CHERRY	Location ID: NEVADA9
		Lab Results : A

Coliform absent. Sample considered safe.

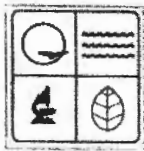
Date Collected : 12/09/2014	Collector : ML	Sample Type : Routine
Lab Sample ID : 51766	Location Name: 71 HWY N	Location ID: NEVADA4
		Lab Results : A

Coliform absent. Sample considered safe.

Note to Public Water Systems:

Routine samples must be taken from the distribution system. Routine samples collected at the well will be invalidated, possibly resulting in your system receiving a monitoring violation for failure to collect enough valid routine samples.

Monday, December 15, 2014



Missouri Department Of Natural Resources
 Public Drinking Water Branch
 P.O. Box 176
 Jefferson City, MO 65102
 (573)751-5331



Public Water System Bacteriological Report

PWS Name : NEVADA
 Mail to : JOSEPH TIPPER
 1300 W CHERRY
 NEVADA, MO 64772

PWS ID : MO5010562
 County : VERNON

Please notify us of any
 name and address changes

Date Collected : 12/23/2014 Collector : MF Sample Type : Routine
 Lab Sample ID : 54191 Location Name: 200 N ASH Location ID: NEVADA 10 Lab Results : A
 Coliform absent. Sample considered safe.

Date Collected : 12/23/2014 Collector : MF Sample Type : Routine
 Lab Sample ID : 54192 Location Name: 501 S JEFFERSON Location ID: NEVADA5 Lab Results : A
 Coliform absent. Sample considered safe.

Date Collected : 12/23/2014 Collector : MF Sample Type : Routine
 Lab Sample ID : 54190 Location Name: 71 HWY N Location ID: NEVADA4 Lab Results : A
 Coliform absent. Sample considered safe.

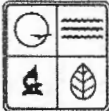
Date Collected : 12/23/2014 Collector : MF Sample Type : Routine
 Lab Sample ID : 54193 Location Name: COUNTRY CLUB DRIVE Location ID: NEVADA7 Lab Results : A
 Coliform absent. Sample considered safe.

Date Collected : 12/23/2014 Collector : MF Sample Type : Routine
 Lab Sample ID : 54194 Location Name: 1400 W CHERRY Location ID: NEVADA9 Lab Results : A
 Coliform absent. Sample considered safe.

Note to Public Water Systems:

Routine samples must be taken from the distribution system. Routine samples collected at the well will be invalidated, possibly resulting in your system receiving a monitoring violation for failure to collect enough valid routine samples.

Tuesday, December 30, 2014



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM
MONTHLY COMPLIANCE MONITORING REPORT FOR GROUNDWATER SYSTEMS

PUBLIC WATER SYSTEM NAME City of Nevada, Mo	PUBLIC WATER SYSTEM ID NUMBER 5010562	COUNTY Vernon
--	--	------------------

Dec/14 Month/ Year	Minimum Residual _____ 4-log Sample Location			Minimum Residual _____ 4-log Sample Location			Minimum Residual _____ 4-log Sample Location		
	pH	Temp °C	Lowest Free Chlorine (mg/l)	pH	Temp °C	Lowest Free Chlorine (mg/l)	pH	Temp °C	Lowest Free Chlorine (mg/l)
1.	8.86	19.4	1.8						
2.	8.83	19.1	1.8						
3.	8.82	20.0	1.7						
4.	8.75	20.1	1.6						
5.	8.74	20.2	1.6						
6.	8.86	20.5	1.5						
7.	8.88	19.3	1.8						
8.	8.82	20.4	1.7						
9.	8.91	19.3	1.7						
10.	8.88	20.2	1.7						
11.	8.82	19.2	1.7						
12.	8.76	20.2	1.7						
13.	8.80	20.4	1.7						
14.	8.81	19.9	1.5						
15.	8.86	19.7	1.7						
16.	8.81	19.1	1.7						
17.	8.76	19.1	1.7						
18.	8.76	19.9	1.9						
19.	8.74	20.6	1.9						
20.	8.87	20.5	1.8						
21.	8.87	19.8	1.9						
22.	8.73	20.2	1.7						
23.	8.72	19.0	1.9						
24.	8.80	19.0	2.0						
25.	8.78	18.9	2.1						
26.	8.83	19.7	2.0						
27.	8.70	20.1	2.2						
28.	8.78	19.3	1.8						
29.	8.68	19.0	1.9						
30.	8.85	19.3	1.8						
31.	8.81	18.6	1.8						

Was the disinfectant residual ever less than the State required level for 4-log inactivation of viruses at this entry point?
 Yes No

If so, did the water system collect grab samples every four hours until the disinfectant residual was above the State required level?
 Yes No (If you answer yes to this question, attach the results of the grab samples to this form).

(For systems serving more than 3,300) Did continuous monitoring equipment fail at any time during this reporting period?
 Yes No

(For systems serving more than 3,300) If monitoring equipment failed, were grab samples collected every 4 hours until the continuous monitoring equipment was returned to service?
 Yes No (Attach grab sample results to this form)

NAME OF PERSON PREPARING REPORT
 Joseph Tipper

SIGNATURE OF RESPONSIBLE PARTY: *Joseph D. Tipper* DATE: 01-02-15

Mail completed form to:
 Missouri Department of Natural Resources
 Public Drinking Water Branch - Monitoring
 P.O. Box 176
 Jefferson City, MO 65102-0176
 Phone 800-361-4827 or 573-751-5331
 Fax 573-751-3110

CITY
OF



110 S ASH · NEVADA, MISSOURI 64772

PHONE 417-448-2700 · FAX 417-448-2707

January 12, 2015

Lana Cyprit
Department of Natural Resources
Division of Environmental Quality
Southwest Regional Office
2040 West Woodland
Springfield, MO 65806

RE: Monthly DMR, and Qtr. Stream Report.

Dear Ms. Cyprit,

Attached is the monthly DMR, and Quarterly Stream Report. This is being submitted in compliance with NPDES permit #MO0089109, issued May 11, 2011.

If you have any questions please contact me at (417)448-2761, or e-mail me at mmendenhall@alliancewater.com.

Sincerely,

A handwritten signature in cursive script that reads 'Mark Mendenhall'. The signature is written in black ink and is positioned below the word 'Sincerely,'.

Mark Mendenhall
Waste Water Treatment Plant Supervisor

LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES

DATE	Aeration Basin, O-Ditch, Etc.					Outside Ambient Temperature °F	Weather	Time	Sludge Disposal	
	DO East mg/l	MLSS East mg/l	MIXED LIQUOR Settleability		Temp c				Gallons	Lbs Dry Wt.
			30 min E ml	30 min W ml						
1	4.4	2,000	200	200	15.1	23	O	7:45		
2	5.6	1,980	230	210	14.6	26	O	7:45		
3	1.7	2,160	210	200	14.4	28	O	7:45		
4	6.9	2,040	210	200	14.5	38	O	7:45		
5	2.7	2,140	200	190	15.0	40	O	8:00		
6						42	O	6:00		
7						39	O	7:30		
8	6.8	2,110	210	200	14.8	42	O	7:50		
9	4.3	2,040	220	200	14.6	31	C	7:36		
10	5.8	2,050	220	200	14.4	27	C	7:35		
11	5.1	2,050	200	160	14.6	38	O	7:42		
12	5.3	1,970	220	200	15.1	44	O	7:40		
13						50	O	10:00		
14						59	O	11:00		
15	4.1	2,190	230	200	15.0	54	PC	7:50		
16	4.3	2,080	230	200	14.4	30	O	8:00		
17	7.1	2,010	200	200	13.8	28	PC	7:50		
18	4.6	1,990	200	230	13.7	31	O	8:00		
19	7.5	2,070	240	200	14.1	33	O	7:33		
20						35	O	8:42		
21						41	O	8:34		
22	3.8	1,910	200	180	14.0	43	O	7:50		
23	7.1	2,120	240	200	13.8	37	PC	7:45		
24	6.2	1,870	220	200	13.9	36	O	7:30		
25						39	C	9:00		
26	6.0	1,930	200	200	13.5	41	PC	7:30		
27						34	O	9:00		
28						21	C	9:00		
29	5.7	2,040	250	200	12.8	23	C	7:41		
30	5.9	1,930	230	230	12.7	24	C	7:39		
31	3.9	2,170	250	190	12.3	11	C	7:31		

COMMENTS: Pace Analytical performed tests for Total Phosphorus, Total Nitrogen, E.coli, Chloride and Oil & Grease
 GGA result for 12/3/2014 was 152.9 mg/L
 GGA result for 12/31/2014 was 159.1 mg/L
 Keystone Laboratories performed ammonia testing on 12/1,8,16,22,29/2014

TESTS PERFORMED BY STAFF <i>Mark Menard</i>	TITLE PLANT SUPERVISOR	DATE 1/9/2015
REPORT APPROVED BY <i>Hann Widdendorf</i>	TITLE LOCAL MANAGER	DATE 1/9/15

In the weather column use the following symbols: R-rain, S-snow, C-clear, PC-partly cloudy, O-overcast

Nevada Waste Water Treatment Plant
VERNON COUNTY/SOUTHWEST REGION

Permit # MO-0089109

QUARTERLY INSTREAM MONITORING REPORT

Sample Date	Time	ID	Temp	Ammonia	D.O.	pH	Chlorophyll a	Flow
12/2/14	7:05 a.m	SM1 (upstream)	5.2 C	0.18 mg/L	8.7 mg/L	7.4	13.2 ug/L	.97 MGD
12/2/14	7:25 a.m	SM2 (downstream)	9.2 C	0.26 mg/L	7.9 mg/L	7.8	5.2 ug/L	1.6 MGD

Comments: SM1 Open channel. SM2 Open channel.
Weather: Overcast.
Water Clarity: SM1 Clear. SM2 Clear.

ANALYTICAL RESULTS

Project: QUARTERLY SAMPLING

Pace Project No.: 60183682

Sample: SM1 RIVER SAMPLE		Lab ID: 60183682001	Collected: 12/02/14 07:05	Received: 12/03/14 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chlorophyll & Pheophytin		Analytical Method: SM10200 Preparation Method: SM10200						
Chlorophyll a	13.2	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Chlorophyll b	4.3	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Chlorophyll c	8.5	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Chlorophyll a (Corrected)	0.0	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Pheophytin	54.6	ug/L		1	12/03/14 17:35	12/10/13 15:00		

Sample: SM2 RIVER SAMPLE		Lab ID: 60183682002	Collected: 12/02/14 07:25	Received: 12/03/14 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chlorophyll & Pheophytin		Analytical Method: SM10200 Preparation Method: SM10200						
Chlorophyll a	5.2	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Chlorophyll b	2.8	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Chlorophyll c	4.8	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Chlorophyll a (Corrected)	0.0	ug/L		1	12/03/14 17:35	12/10/13 15:00		
Pheophytin	11.0	ug/L		1	12/03/14 17:35	12/10/13 15:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL REPORT

December 19, 2014

Work Order: 1L40843

Page 1 of 4

Report To
Mark Mendenhall Alliance Water Resources - Nevada WWTP 16517 S 1338 Road Nevada, MO 64772

Work Order Information
Date Received: 12/11/2014 12:00PM Collector: Mendenhall, Mark Phone: (417) 448-2761 PO Number: WWTP2014A

Project : Routine Analysis

Project Number: Alliance Water Resources - WWTP

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1L40843-01 SM1 River				Matrix:Water		Collected: 12/02/14 07:05	
Nitrogen, Ammonia	0.18 mg/L	0.10	1XL0588	SM 4500-NH3 BF	SAI	12/17/14 14:11	
1L40843-02 SM2 River				Matrix:Water		Collected: 12/02/14 07:25	
Nitrogen, Ammonia	0.26 mg/L	0.10	1XL0588	SM 4500-NH3 BF	SAI	12/17/14 14:11	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

ANALYTICAL REPORT

December 19, 2014

Page 1 of 4

Work Order: 1L40842

Report To
Mark Mendenhall Alliance Water Resources - Nevada WWTP 16517 S 1338 Road Nevada, MO 64772

Work Order Information
Date Received: 12/11/2014 12:00PM Collector: Mendenhall, Mark Phone: (417) 448-2761 PO Number: WWTP2014A

Project : Routine Analysis

Project Number: Alliance Water Resources - WWTP

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1L40842-01	Nevada WWTP - EFF.			Matrix:Water		Collected: 12/01/14 11:45	
Nitrogen, Ammonia	0.26 mg/L	0.10	1XL0588	SM 4500-NH3 BF	SAI	12/17/14 14:11	
1L40842-02	Nevada WWTP - EFF.			Matrix:Water		Collected: 12/08/14 08:00	
Nitrogen, Ammonia	0.35 mg/L	0.10	1XL0588	SM 4500-NH3 BF	SAI	12/17/14 14:11	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

ANALYTICAL REPORT

January 06, 2015

Page 1 of 4

Work Order: 1L41477

Report To
Mark Mendenhall Alliance Water Resources - Nevada WWTP 16517 S 1338 Road Nevada, MO 64772

Work Order Information
Date Received: 12/23/2014 12:30PM Collector: Mendenhall, Mark Phone: (417) 448-2761 PO Number: WWTP2014A

Project : Routine Analysis

Project Number: Alliance Water Resources - WWTP

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1L41477-01	Nevada WWTP EFF.			Matrix:Water		Collected: 12/16/14 08:00	
Nitrogen, Ammonia	0.35 mg/L	0.10	1YA0055	SM 4500-NH3 BF	SAI	01/05/15 15:42	
1L41477-02	Nevada WWTP EFF.			Matrix:Water		Collected: 12/22/14 10:00	
Nitrogen, Ammonia	0.35 mg/L	0.10	1YA0055	SM 4500-NH3 BF	SAI	01/05/15 15:42	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

ANALYTICAL REPORT

January 06, 2015

Page 1 of 4

Work Order: 1L41703

Report To
Mark Mendenhall Alliance Water Resources - Nevada WWTP 16517 S 1338 Road Nevada, MO 64772

Work Order Information
Date Received: 12/30/2014 10:30AM
Collector: Stone, Les
Phone: (417) 448-2761
PO Number: WWTP2014A

Project : Routine Analysis

Project Number: Alliance Water Resources - WWTP

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1L41703-01	Nevada WWTP - EFF.			Matrix: Water		Collected: 12/29/14 08:00	
Nitrogen, Ammonia	0.49 mg/L	0.10	1YA0055	SM 4500-NH3 BF	SAI	01/05/15 15:42	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

ANALYTICAL RESULTS

Project: MONTHLY SAMPLING

Pace Project No.: 60183604

Sample: NEVADA WWTP EFF								Lab ID: 60183604001	Collected: 12/02/14 10:30	Received: 12/02/14 19:45	Matrix: Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
HEM, Oil and Grease		Analytical Method: EPA 1664A									
Oil and Grease	ND	mg/L	5.0	1		12/08/14 14:22					
Total Nitrogen Calculation		Analytical Method: SM 2710B									
Nitrogen	15.2	mg/L	0.20	1		12/12/14 08:49	7727-37-9				
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0									
Chloride	214	mg/L	20.0	20		12/11/14 17:02	16887-00-6				
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2									
Nitrogen, Kjeldahl, Total	1.1	mg/L	0.50	1		12/11/14 10:18	7727-37-9				
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2									
Nitrogen, Nitrate	14.1	mg/L	0.50	5		12/03/14 15:20					
Nitrogen, Nitrite	ND	mg/L	0.50	5		12/03/14 15:20					
Nitrogen, NO2 plus NO3	14.1	mg/L	0.50	5		12/03/14 15:20					
365.4 Total Phosphorus		Analytical Method: EPA 365.4									
Phosphorus	3.2	mg/L	0.10	1		12/09/14 14:51	7723-14-0				

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TCLP
Pace Project No.: 60183880

Sample: NEVADA SLUDGE Lab ID: 60183880001 Collected: 12/04/14 10:30 Received: 12/04/14 19:35 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Leachate Method/Date: EPA 1311; 12/12/14 00:00								
Arsenic	ND	mg/L	0.50	1	12/15/14 07:45	12/17/14 10:51	7440-38-2	
Barium	ND	mg/L	2.5	1	12/15/14 07:45	12/17/14 10:51	7440-39-3	
Cadmium	ND	mg/L	0.050	1	12/15/14 07:45	12/17/14 10:51	7440-43-9	
Chromium	ND	mg/L	0.10	1	12/15/14 07:45	12/17/14 10:51	7440-47-3	
Lead	ND	mg/L	0.50	1	12/15/14 07:45	12/17/14 10:51	7439-92-1	
Selenium	ND	mg/L	0.50	1	12/15/14 07:45	12/17/14 10:51	7782-49-2	
Silver	ND	mg/L	0.10	1	12/15/14 07:45	12/17/14 10:51	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Leachate Method/Date: EPA 1311; 12/12/14 00:00								
Mercury	ND	mg/L	0.0020	1	12/15/14 09:30	12/15/14 12:08	7439-97-6	M1,R1
8270 MSSV TCLP Sep Funnel								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Leachate Method/Date: EPA 1311; 12/12/14 00:00								
1,4-Dichlorobenzene	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	118-74-1	
Hexachloroethane	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	1	12/15/14 00:00	12/15/14 18:06		
Nitrobenzene	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	98-95-3	
Pentachlorophenol	ND	ug/L	500	1	12/15/14 00:00	12/15/14 18:06	87-86-5	
Pyridine	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	1	12/15/14 00:00	12/15/14 18:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	12/15/14 00:00	12/15/14 18:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	101 %		60-113	1	12/15/14 00:00	12/15/14 18:06	4165-60-0	
2-Fluorobiphenyl (S)	94 %		64-106	1	12/15/14 00:00	12/15/14 18:06	321-60-8	
Terphenyl-d14 (S)	99 %		71-111	1	12/15/14 00:00	12/15/14 18:06	1718-51-0	
Phenol-d6 (S)	88 %		46-108	1	12/15/14 00:00	12/15/14 18:06	13127-88-3	
2-Fluorophenol (S)	86 %		48-101	1	12/15/14 00:00	12/15/14 18:06	367-12-4	
2,4,6-Tribromophenol (S)	99 %		54-119	1	12/15/14 00:00	12/15/14 18:06	118-79-6	
8260 MSV TCLP								
Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 12/12/14 00:00								
Benzene	ND	ug/L	50.0	1		12/15/14 20:03	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	1		12/15/14 20:03	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	1		12/15/14 20:03	56-23-5	
Chlorobenzene	ND	ug/L	50.0	1		12/15/14 20:03	108-90-7	
Chloroform	ND	ug/L	200	1		12/15/14 20:03	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	1		12/15/14 20:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	1		12/15/14 20:03	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	1		12/15/14 20:03	127-18-4	
Trichloroethene	ND	ug/L	50.0	1		12/15/14 20:03	79-01-6	
Vinyl chloride	ND	ug/L	100	1		12/15/14 20:03	75-01-4	

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ANALYTICAL RESULTS

Project: TCLP
Pace Project No.: 60183880

Sample: NEVADA SLUDGE **Lab ID: 60183880001** Collected: 12/04/14 10:30 Received: 12/04/14 19:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP		Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 12/12/14 00:00						
Surrogates								
1,2-Dichloroethane-d4 (S)	100 %		82-123	1		12/15/14 20:03	17060-07-0	
Toluene-d8 (S)	105 %		80-120	1		12/15/14 20:03	2037-26-5	
4-Bromofluorobenzene (S)	95 %		80-120	1		12/15/14 20:03	460-00-4	

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ANALYTICAL RESULTS

Project: PRIORITY POLLUTANTS
Pace Project No.: 60183869

Sample: NEVADA SLUDGE Lab ID: 60183869001 Collected: 12/04/14 10:45 Received: 12/04/14 19:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides		Analytical Method: EPA 8081 Preparation Method: EPA 3546						
Aldrin	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	309-00-2	R1
alpha-BHC	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	319-84-6	
beta-BHC	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	319-85-7	
delta-BHC	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	319-86-8	
gamma-BHC (Lindane)	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	58-89-9	
alpha-Chlordane	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	5103-71-9	
gamma-Chlordane	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	5103-74-2	
4,4'-DDD	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	72-54-8	
4,4'-DDE	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	72-55-9	
4,4'-DDT	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	50-29-3	
Dieldrin	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	60-57-1	
Endosulfan I	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	959-98-8	
Endosulfan II	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	33213-65-9	
Endosulfan sulfate	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	1031-07-8	
Endrin	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	72-20-8	
Endrin aldehyde	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	7421-93-4	
Endrin ketone	ND	ug/kg	42.3	1	12/12/14 10:46	12/17/14 20:35	53494-70-5	
Heptachlor	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	76-44-8	
Heptachlor epoxide	ND	ug/kg	21.6	1	12/12/14 10:46	12/17/14 20:35	1024-57-3	
Methoxychlor	ND	ug/kg	212	1	12/12/14 10:46	12/17/14 20:35	72-43-5	
Toxaphene	ND	ug/kg	848	1	12/12/14 10:46	12/17/14 20:35	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	45 %		10-178	1	12/12/14 10:46	12/17/14 20:35	877-09-8	
Tetrachloro-m-xylene (S)	74 %		10-178	1	12/12/14 10:46	12/17/14 20:35	877-09-8	
Decachlorobiphenyl (S)	10 %		15-177	1	12/12/14 10:46	12/17/14 20:35	2051-24-3	2e,S0
Decachlorobiphenyl (S)	11 %		15-177	1	12/12/14 10:46	12/17/14 20:35	2051-24-3	2e,S0
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	12674-11-2	1e
PCB-1221 (Aroclor 1221)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	381	1	12/12/14 10:52	12/16/14 19:19	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	48 %		10-171	1	12/12/14 10:52	12/16/14 19:19	877-09-8	
Tetrachloro-m-xylene (S)	51 %		10-171	1	12/12/14 10:52	12/16/14 19:19	877-09-8	
Decachlorobiphenyl (S)	14 %		15-184	1	12/12/14 10:52	12/16/14 19:19	2051-24-3	S1
Decachlorobiphenyl (S)	12 %		15-184	1	12/12/14 10:52	12/16/14 19:19	2051-24-3	S0
6010 MET ICP Red. Interference		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	2.3	1	12/11/14 10:30	12/16/14 12:37	7440-36-0	
Arsenic	4.7	mg/kg	2.3	1	12/11/14 10:30	12/16/14 12:37	7440-38-2	
Beryllium	0.73	mg/kg	0.23	1	12/11/14 10:30	12/16/14 12:37	7440-41-7	
Cadmium	6.0	mg/kg	1.1	1	12/11/14 10:30	12/16/14 12:37	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PRIORITY POLLUTANTS
Pace Project No.: 60183869

Sample: NEVADA SLUDGE Lab ID: 60183869001 Collected: 12/04/14 10:45 Received: 12/04/14 19:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Chromium	24.9	mg/kg	1.1	1	12/11/14 10:30	12/16/14 12:37	7440-47-3	
Copper	423	mg/kg	2.3	1	12/11/14 10:30	12/16/14 12:37	7440-50-8	
Lead	60.2	mg/kg	2.3	1	12/11/14 10:30	12/16/14 12:37	7439-92-1	
Nickel	28.3	mg/kg	1.1	1	12/11/14 10:30	12/16/14 12:37	7440-02-0	
Selenium	6.4	mg/kg	3.4	1	12/11/14 10:30	12/16/14 12:37	7782-49-2	
Silver	6.8	mg/kg	1.6	1	12/11/14 10:30	12/16/14 12:37	7440-22-4	
Thallium	ND	mg/kg	4.5	1	12/11/14 10:30	12/16/14 12:37	7440-28-0	
Zinc	1570	mg/kg	22.6	1	12/11/14 10:30	12/16/14 12:37	7440-66-6	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	1.5	1	12/08/14 12:00	12/09/14 10:14	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	83-32-9	
Acenaphthylene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	208-96-8	
Anthracene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	207-08-9	
Benzoic acid	ND	ug/kg	172000	1	12/06/14 00:00	12/10/14 22:20	65-85-0	
Benzyl alcohol	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	59-50-7	
4-Chloroaniline	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	39638-32-9	
2-Chloronaphthalene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	91-58-7	
2-Chlorophenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	7005-72-3	
Chrysene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	53-70-3	
Dibenzofuran	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	120-83-2	
Diethylphthalate	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	105-67-9	
Dimethylphthalate	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	84-74-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PRIORITY POLLUTANTS

Pace Project No.: 60183869

Sample: NEVADA SLUDGE Lab ID: 60183869001 Collected: 12/04/14 10:45 Received: 12/04/14 19:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
4,6-Dinitro-2-methylphenol	ND	ug/kg	172000	1	12/06/14 00:00	12/10/14 22:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	172000	1	12/06/14 00:00	12/10/14 22:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	117-81-7	
Fluoranthene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	206-44-0	
Fluorene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	87-68-3	
Hexachlorobenzene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	77-47-4	
Hexachloroethane	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	193-39-5	
Isophorone	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	78-59-1	
2-Methylnaphthalene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20		
Naphthalene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	91-20-3	
2-Nitroaniline	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	88-74-4	
3-Nitroaniline	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	99-09-2	
4-Nitroaniline	ND	ug/kg	68000	1	12/06/14 00:00	12/10/14 22:20	100-01-6	
Nitrobenzene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	98-95-3	
2-Nitrophenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	88-75-5	
4-Nitrophenol	ND	ug/kg	172000	1	12/06/14 00:00	12/10/14 22:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	86-30-6	
Pentachlorophenol	ND	ug/kg	172000	1	12/06/14 00:00	12/10/14 22:20	87-86-5	
Phenanthrene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	85-01-8	
Phenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	108-95-2	
Pyrene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	129-00-0	
Pyridine	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	34000	1	12/06/14 00:00	12/10/14 22:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77 %		44-115	1	12/06/14 00:00	12/10/14 22:20	4165-60-0	
2-Fluorobiphenyl (S)	78 %		57-117	1	12/06/14 00:00	12/10/14 22:20	321-60-8	
Terphenyl-d14 (S)	80 %		45-129	1	12/06/14 00:00	12/10/14 22:20	1718-51-0	
Phenol-d6 (S)	74 %		46-104	1	12/06/14 00:00	12/10/14 22:20	13127-88-3	
2-Fluorophenol (S)	74 %		29-110	1	12/06/14 00:00	12/10/14 22:20	367-12-4	
2,4,6-Tribromophenol (S)	68 %		28-122	1	12/06/14 00:00	12/10/14 22:20	118-79-6	
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	733	1		12/11/14 13:21	67-64-1	
Acrolein	ND	ug/kg	3660	1		12/11/14 13:21	107-02-8	
Acrylonitrile	ND	ug/kg	3660	1		12/11/14 13:21	107-13-1	

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ANALYTICAL RESULTS

Project: PRIORITY POLLUTANTS

Pace Project No.: 60183869

Sample: NEVADA SLUDGE Lab ID: 60183869001 Collected: 12/04/14 10:45 Received: 12/04/14 19:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	183	1		12/11/14 13:21	71-43-2	
Bromobenzene	ND	ug/kg	183	1		12/11/14 13:21	108-86-1	
Bromochloromethane	ND	ug/kg	183	1		12/11/14 13:21	74-97-5	
Bromodichloromethane	ND	ug/kg	183	1		12/11/14 13:21	75-27-4	
Bromoform	ND	ug/kg	183	1		12/11/14 13:21	75-25-2	
Bromomethane	ND	ug/kg	183	1		12/11/14 13:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	366	1		12/11/14 13:21	78-93-3	
n-Butylbenzene	ND	ug/kg	183	1		12/11/14 13:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	183	1		12/11/14 13:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	183	1		12/11/14 13:21	98-06-6	
Carbon disulfide	ND	ug/kg	183	1		12/11/14 13:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	183	1		12/11/14 13:21	56-23-5	
Chlorobenzene	ND	ug/kg	183	1		12/11/14 13:21	108-90-7	
Chloroethane	ND	ug/kg	183	1		12/11/14 13:21	75-00-3	
Chloroform	ND	ug/kg	183	1		12/11/14 13:21	67-66-3	
Chloromethane	ND	ug/kg	183	1		12/11/14 13:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	183	1		12/11/14 13:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	183	1		12/11/14 13:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	366	1		12/11/14 13:21	96-12-8	
Dibromochloromethane	ND	ug/kg	183	1		12/11/14 13:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	183	1		12/11/14 13:21	106-93-4	
Dibromomethane	ND	ug/kg	183	1		12/11/14 13:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	183	1		12/11/14 13:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	183	1		12/11/14 13:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	183	1		12/11/14 13:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	183	1		12/11/14 13:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	183	1		12/11/14 13:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	183	1		12/11/14 13:21	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	183	1		12/11/14 13:21	540-59-0	
1,1-Dichloroethene	ND	ug/kg	183	1		12/11/14 13:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	183	1		12/11/14 13:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	183	1		12/11/14 13:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	183	1		12/11/14 13:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	183	1		12/11/14 13:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	183	1		12/11/14 13:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	183	1		12/11/14 13:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	183	1		12/11/14 13:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	183	1		12/11/14 13:21	10061-02-6	
Ethylbenzene	ND	ug/kg	183	1		12/11/14 13:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	183	1		12/11/14 13:21	87-68-3	
2-Hexanone	ND	ug/kg	733	1		12/11/14 13:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	183	1		12/11/14 13:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	183	1		12/11/14 13:21	99-87-6	
Methylene chloride	ND	ug/kg	183	1		12/11/14 13:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	366	1		12/11/14 13:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	183	1		12/11/14 13:21	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PRIORITY POLLUTANTS

Pace Project No.: 60183869

Sample: NEVADA SLUDGE Lab ID: 60183869001 Collected: 12/04/14 10:45 Received: 12/04/14 19:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Naphthalene	ND	ug/kg	366	1		12/11/14 13:21	91-20-3	
n-Propylbenzene	ND	ug/kg	183	1		12/11/14 13:21	103-65-1	
Styrene	ND	ug/kg	183	1		12/11/14 13:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	183	1		12/11/14 13:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	183	1		12/11/14 13:21	79-34-5	
Tetrachloroethene	ND	ug/kg	183	1		12/11/14 13:21	127-18-4	
Toluene	ND	ug/kg	183	1		12/11/14 13:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	183	1		12/11/14 13:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	183	1		12/11/14 13:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	183	1		12/11/14 13:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	183	1		12/11/14 13:21	79-00-5	
Trichloroethene	ND	ug/kg	183	1		12/11/14 13:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	183	1		12/11/14 13:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	183	1		12/11/14 13:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	183	1		12/11/14 13:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	183	1		12/11/14 13:21	108-67-8	
Vinyl chloride	ND	ug/kg	183	1		12/11/14 13:21	75-01-4	
Xylene (Total)	ND	ug/kg	183	1		12/11/14 13:21	1330-20-7	
Surrogates								
Toluene-d8 (S)	105 %		82-137	1		12/11/14 13:21	2037-26-5	
4-Bromofluorobenzene (S)	93 %		82-119	1		12/11/14 13:21	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		81-142	1		12/11/14 13:21	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	97.3 %		0.50	1		12/15/14 00:00		
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Modified						
Phenolics, Total Recoverable	ND	mg/kg	58.5	1		12/10/14 15:30		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	ND	mg/kg	6.1	1		12/15/14 18:55	57-12-5	

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