



Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

March 26, 2008

Jacob Naeyaert
JAMES ENVIRONMENTAL
600 Round Rock West
Suite 201
Round Rock, TX 78681

RE: Project 2079710
Project ID: LKQ CRYSTAL RIVER

Dear Jacob Naeyaert:

Enclosed are the analytical results for sample(s) received by the laboratory on March 12, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Regina Ste. Marie
regina.stemarie@pacelabs.com



REPORT OF LABORATORY ANALYSIS

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Sample Cross Reference

Pace Analytical Services, Inc.
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Phone: 504.469.0333
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LELAP # 02006

Project: 2079710

Client: JAMES ENVIRONMENTAL

Project ID: LKQ CRYSTAL RIVER

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
ENG STORAGE	20595663	Soil	06-Mar-08 16:02	12-Mar-08 10:15
CRUSHER	20595664	Soil	06-Mar-08 16:23	12-Mar-08 10:15
AIR FILTER	20595670	Other	06-Mar-08 17:00	12-Mar-08 10:15
BLAST AREA	20595671	Soil	06-Mar-08 17:15	12-Mar-08 10:15
ENGINE STORAGE (20595663)	20597817	Soil	06-Mar-08 16:02	12-Mar-08 10:15
BLAST AREA (205956671)	20597818	Soil	06-Mar-08 17:15	12-Mar-08 10:15

3/26/2008 16:00:05

Louisiana Dept. of Environmental Quality (LELAP) - 02006
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
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Kansas Dept. of Health Environmental - E-10266
Pennsylvania DEP (NELAC) 68-04202
U.S. Dept. of Agricultural Foreign Soil Permit - S-47270



Project Narrative

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Project: 2079710

Narrative detail for project management:

Revised report - TCLP Metals was added to Engine Storage and Blast Area samples per client's request.

Project: 2079710

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times (Qualified):

These holding times were exceeded due to sample receipt or re-extraction after the holding time had expired.

See the previous page for a detailed explanation:

Sample 20597817 analysis 1311 1311 TCLP Leaching

Sample 20597818 analysis 1311 1311 TCLP Leaching

Blanks:

The following blank results were above reporting limits:

Batch 99119 sample 20595909 TPH (C08-C40)

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

Surrogate recoveries outside of QC limits are qualified in the surrogate results section.

Project: 2079710

Analytical Method	Batch	Sample used for QC
TPH FLPro	99119	Project sample ENG STORAGE
EPA 6010	99116	Batch sample from another client
EPA 6010	99561	Batch sample from another client
EPA 7471	99124	Batch sample from another client
EPA 7470	99562	Project sample ENGINE STORAGE (20595663)
% Moisture	99261	Batch sample from another client

For the sample used as the original for the DUP or MS/MSD for the batch:

3/26/2008 16:00:26

Project sample means a sample from this project was used.

Client sample means a sample from the same client but in a different project was used.

Batch sample means a sample from the a different client was used.

Sample Results

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Client: JAMES ENVIRONMENTAL

Client ID: ENG STORAGE

Project: 2079710

Project ID: LKQ CRYSTAL RIVER

Site: None

Lab ID: 20595663

Matrix: Soil

% Moisture: 18.7 Not Corrected

Description: None

Prep Level: Soil

Batch: 99119

Method: TPH FLPro

Collected: 06-Mar-08

Received: 12-Mar-08

Prepared: 14-Mar-08

Analyzed: 19-Mar-08 12:55 SPP1

Units: mg/kg

CAS Number	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit
none	TPH (C08-C40)	1	B2	1110	50.0	
1 compound(s) reported						

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Protocol 3/26/2008 16:00:27

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Client: JAMES ENVIRONMENTAL

Client ID: CRUSHER

Project: 2079710

Project ID: LKQ CRYSTAL RIVER

Site: None

Lab ID: 20595664

Matrix: Soil

% Moisture: 9.8 Not Corrected

Description: None

Prep Level: Soil

Batch: 99119

Method: TPH FLPro

Collected: 06-Mar-08

Received: 12-Mar-08

Prepared: 16-Mar-08

Analyzed: 19-Mar-08 14:12 SPP1

Units: mg/kg

CAS Number	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit
none	TPH (C08-C40)	50	B2,D1	16300	500.	
1 compound(s) reported						

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Client: JAMES ENVIRONMENTAL

Client ID: AIR FILTER

Project: 2079710

Project ID: LKQ CRYSTAL RIVER

Site: None

Lab ID: 20595670

Matrix: Other

%Moisture: n/a

Description: None

Collected: 06-Mar-08

Received: 12-Mar-08

Analyte	Method	Batch	DF	Qu	Result	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Arsenic	EPA 6010	99116	1		ND	mg/kg	0.833	14-Mar-08	18-Mar-08 02:45	KJR
Barium	EPA 6010	99116	1	E	4790	mg/kg	16.7	14-Mar-08	18-Mar-08 02:45	KJR
Cadmium	EPA 6010	99116	1		ND	mg/kg	0.417	14-Mar-08	18-Mar-08 02:45	KJR
Chromium	EPA 6010	99116	1		43.4	mg/kg	0.833	14-Mar-08	18-Mar-08 02:45	KJR
Lead	EPA 6010	99116	1		15.1	mg/kg	0.417	14-Mar-08	18-Mar-08 02:45	KJR
Mercury	EPA 7471	99124	1		0.0268	mg/kg	0.0176	18-Mar-08	18-Mar-08 08:55	MHB1
Selenium	EPA 6010	99116	1		ND	mg/kg	2.92	14-Mar-08	18-Mar-08 02:45	KJR
Silver	EPA 6010	99116	1		ND	mg/kg	0.833	14-Mar-08	18-Mar-08 02:45	KJR

8 parameter(s) reported

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Client: JAMES ENVIRONMENTAL

Client ID: BLAST AREA

Project: 2079710

Project ID: LKQ CRYSTAL RIVER

Site: None

Lab ID: 20595671

Matrix: Soil

%Moisture: 38.3 Not Corrected

Description: None

Collected: 06-Mar-08

Received: 12-Mar-08

Analyte	Method	Batch	DF	Qu	Result	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Arsenic	EPA 6010	99116	1		ND	mg/kg	0.909	14-Mar-08	18-Mar-08 02:52	KJR
Barium	EPA 6010	99116	1		ND	mg/kg	18.2	14-Mar-08	18-Mar-08 02:52	KJR
Cadmium	EPA 6010	99116	1		ND	mg/kg	0.455	14-Mar-08	18-Mar-08 02:52	KJR
Chromium	EPA 6010	99116	1		ND	mg/kg	0.909	14-Mar-08	18-Mar-08 02:52	KJR
Lead	EPA 6010	99116	1		0.535	mg/kg	0.455	14-Mar-08	18-Mar-08 02:52	KJR
Mercury	EPA 7471	99124	1		ND	mg/kg	0.0188	18-Mar-08	18-Mar-08 08:56	MHB1
Selenium	EPA 6010	99116	1		ND	mg/kg	3.18	14-Mar-08	18-Mar-08 02:52	KJR
Silver	EPA 6010	99116	1		ND	mg/kg	0.909	14-Mar-08	18-Mar-08 02:52	KJR

8 parameter(s) reported

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Sample Results

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LELAP # 02006

Client: JAMES ENVIRONMENTAL

Client ID: ENGINE STORAGE (20595663)

Project: 2079710

Project ID: LKQ CRYSTAL RIVER

Site: None

Lab ID: 20597817 (TCLP)

Matrix: Soil

%Moisture: 0 Not Corrected

Description: None

Collected: 06-Mar-08

Received: 12-Mar-08

Analyte	Method	Batch	DF	Qu	Result	Reporting		Prep.	Analysis			Reg. Limit
						Units	Limit					
Arsenic	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:08	KJR		5.00
Barium	EPA 6010 (TC	99561	1		ND	mg/L	2.00	25-Mar-08	26-Mar-08 13:08	KJR		100.
Cadmium	EPA 6010 (TC	99561	1		ND	mg/L	0.100	25-Mar-08	26-Mar-08 13:08	KJR		1.00
Chromium	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:08	KJR		5.00
Lead	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:08	KJR		5.00
Mercury	EPA 7470 (TC	99562	1		ND	mg/L	0.000200	25-Mar-08	25-Mar-08 16:07	MHB1		0.200
Selenium	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:08	KJR		1.00
Silver	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:08	KJR		5.00

8 parameter(s) reported

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LELAP # 02006

Client: JAMES ENVIRONMENTAL

Client ID: BLAST AREA (205956671)

Project: 2079710

Project ID: LKQ CRYSTAL RIVER

Site: None

Lab ID: 20597818 (TCLP)

Matrix: Soil

%Moisture: 0 Not Corrected

Description: None

Collected: 06-Mar-08

Received: 12-Mar-08

Analyte	Method	Batch	DF	Qu	Result	Reporting		Prep.	Analysis			Reg. Limit
						Units	Limit					
Arsenic	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:13	KJR		5.00
Barium	EPA 6010 (TC	99561	1		ND	mg/L	2.00	25-Mar-08	26-Mar-08 13:13	KJR		100.
Cadmium	EPA 6010 (TC	99561	1		ND	mg/L	0.100	25-Mar-08	26-Mar-08 13:13	KJR		1.00
Chromium	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:13	KJR		5.00
Lead	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:13	KJR		5.00
Mercury	EPA 7470 (TC	99562	1		ND	mg/L	0.000200	25-Mar-08	25-Mar-08 16:14	MHB1		0.200
Selenium	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:13	KJR		1.00
Silver	EPA 6010 (TC	99561	1		ND	mg/L	0.200	25-Mar-08	26-Mar-08 13:13	KJR		5.00

8 parameter(s) reported

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Method: TPH FLPro

Project: 2079710

LCS: 20595910 19-Mar-08 12:30

Batch: 99119

MS: 20595911 19-Mar-08 13:21

MSD: 20595912 19-Mar-08 13:47

Units: mg/kg

Original for MS: 20595663 Client Sample

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits		Max	Qu
TPH (C08-C40)	34	46.47	137	34	1114.00	1421	1425	904 *	914 *	0	44 - 145	40 - 176	20	Q3
1 compound(s) reported														

* denotes recovery outside of QC limits.

3/26/2008 16:00:30

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Surrogate Recovery

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Phone: 504.469.0333
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LELAP # 02006

Batch: 99119

Project: 2079710

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20595909	99119 BLANK 1		105	159 *						
20595910	99119 LCS 1		98	147						
20595664	CRUSHER	D1	0 D	0 D						
20595663	ENG STORAGE		191 *	153						
20595911	ENG STORAGEEMS 1		80	152						
20595912	ENG STORAGEEMSD		93	148						

QC limits: 21-173 23-157

Sur 1: n-Pentacosane (S)
Sur 2: o-Terphenyl (S)

* denotes surrogate recovery outside of QC limits.

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

3/26/2008 16:00:31

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Organics Method Blank

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LELAP # 02006

Blank ID: 99119 BLANK 1

Project: 2079710

Lab ID: 20595909

Description: FlPro TPH Soil

Prep Level: Soil

Batch: 99119

Method: Soil TPH FLPro

Prepared: 14-Mar-08

Analyzed: 19-Mar-08 12:04

Units: mg/kg

**Reporting
Limit**

CAS Number	Analyte	Dilution	Qu	Result	Reporting Limit
none	TPH (C08-C40)	1		17.9	10.0
1 compound(s) reported					

3/26/2008 16:00:32

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Project: 2079710

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	DUP RPD	QC Limits	Max RPD	Qu
Arsenic	99116	ND	1.00	mg/kg	100	96.36	96	87.72	-3.35	78.42	83.64	93	96	6		68 - 125 48 - 134	20	
Barium	99116	ND	20.0	mg/kg	100	99.41	99	87.72	156.60	201.5	211.2	51	60	5		68 - 130 19 - 180	20	
Cadmium	99116	ND	0.500	mg/kg	100	93.58	94	87.72	-0.01	77.47	79.9	88	88	3		62 - 131 50 - 130	20	
Chromium	99116	ND	1.00	mg/kg	100	94.6	95	87.72	7.95	88.66	93.55	92	94	5		62 - 132 48 - 144	20	
Lead	99116	ND	0.500	mg/kg	100	100.3	100	87.72	9.25	89.72	96.01	92	95	7		68 - 128 35 - 149	20	
Selenium	99116	ND	3.50	mg/kg	100	96.11	96	87.72	-2.89	78.94	79.94	93	91	1		65 - 121 46 - 129	20	
Silver	99116	ND	1.00	mg/kg	50	48.88	98	43.86	-0.27	42.66	43.81	98	97	3		59 - 130 10 - 162	20	
Mercury	99124	ND	0.0200	mg/kg	0.1	0.1123	112	0.09091	0.04	0.1528	0.1296	126 *	107	16		80 - 120 75 - 125	20	Q1
Arsenic	99561	ND	0.200	mg/L	2	1.918	96	2	-0.13	1.764	1.756	95	94	0		86 - 118 62 - 134	20	
Barium	99561	ND	2.00	mg/L	2	2.029	101	2	1.62	3.401	3.46	89	92	2		87 - 122 55 - 140	20	
Cadmium	99561	ND	0.100	mg/L	2	1.882	94	2	0.00	1.717	1.707	86	85	1		86 - 117 62 - 127	20	
Chromium	99561	ND	0.200	mg/L	2	1.953	98	2	0.02	1.814	1.839	90	91	1		85 - 116 54 - 135	20	
Lead	99561	ND	0.200	mg/L	2	2.022	101	2	0.00	1.776	1.769	89	88	0		86 - 119 50 - 138	20	
Selenium	99561	ND	0.200	mg/L	2	1.976	99	2	-0.05	1.885	1.921	97	99	2		86 - 119 61 - 134	20	
Silver	99561	ND	0.200	mg/L	1	1.011	101	1	-0.01	0.9761	0.9885	99	100	1		72 - 129 10 - 170	20	
Mercury	99562	ND	0.200	ug/L	1	1.033	103	1	0.02	1.029	1.041	100	102	1		80 - 120 75 - 125	20	

* denotes recovery outside of QC limits.

3/26/2008 16:00:33

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MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Project: 2079710

Qualifier	Qualifier Description
B2	This analyte was present in the method blank, however the data are reported since the sample results are greater than 10 times the blank concentration.
D1	The analysis was performed at a dilution due to the high analyte concentration.
E	The sample concentration is above the linear calibrated range of the analysis.
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.

3/26/2008 16:00:50

Louisiana Dept. of Environmental Quality (LELAP) - 02006
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
Arkansas Dept. of Environmental Quality - LA050004
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environmental - E-10266
Pennsylvania DEP (NELAC) 68-04202
U.S. Dept. of Agricultural Foreign Soil Permit - S-47270



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: JEM, INC	Report To: JACOB NAEYALERT	Attention: JACOB NAEYALERT	Page: 1 of 1		
Address: 600 RAMP ROCK WEST	Copy To: MIKE JAMES	Company Name: JEM INC	1191471		
Suite 201		Address: 600 RAMP ROCK WEST			
Client: JAMES E. JAMES	Purchase Order No.: 3776	Pace Quote Reference:			
Phone: 512-244-3631	Project Name: CRYSTAL RIVER	Pace Project Manager:			
Requested Due Date: ASAP	Project Number:	Pace Profile #:			
Matrix Codes Drinking Water: DW Waste Water: WT Water: WW Product: P Soil/Solid: SL Oil: OL Wipe: WP Air: AR Tissue: TS Other: OT		REGULATORY AGENCY NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER ☐			
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		Site Location STATE: FL			

Section D Required Client Information		Section E Requested Analysis Filtered (Y/N)	
Matrix Codes Drinking Water: DW Waste Water: WT Water: WW Product: P Soil/Solid: SL Oil: OL Wipe: WP Air: AR Tissue: TS Other: OT		Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	
SAMPLE TYPE (G=GRAB C=COMP)		# OF CONTAINERS	
COLLECTED COMPOSITE START COMPOSITE END/GRAB		SAMPLE TEMP AT COLLECTION	
DATE TIME		DATE TIME	
MATRIX CODE (see valid codes to left)		ANALYSIS TEST	
ITEM #		Pace Project No./ Lab I.D.	

Section F Additional Comments		Section G Relinquished By / Affiliation		Section H Accepted By / Affiliation		Section I Sample Conditions	
Additional Comments		Relinquished By / Affiliation		Accepted By / Affiliation		Sample Conditions	
3/10/08 8:00 AM		3/10/08 8:00 AM		3/10/08 8:00 AM		Temp in °C	
3/10/08 8:00 AM		3/10/08 8:00 AM		3/10/08 8:00 AM		Received on	
3/10/08 8:00 AM		3/10/08 8:00 AM		3/10/08 8:00 AM		Ice (Y/N)	
3/10/08 8:00 AM		3/10/08 8:00 AM		3/10/08 8:00 AM		Custody Sealed Cooler (Y/N)	
3/10/08 8:00 AM		3/10/08 8:00 AM		3/10/08 8:00 AM		Samples Intact (Y/N)	



Sample Condition Upon Receipt

1000 Riverbend Blvd., Suite F
St. Rose, LA 70087

2079710 20-JAMES ENV



Project #: 20

Courier: ☐ Pace Courier ☐ Hackbarth ☒ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: ☒ Yes ☐ NoThermometer Used: ☒ Therm Fisher IR 1
☐ Therm Fisher IR 2Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3-12-08

Temp must be measured from Temperature blank when present

Comments:

Temperature Blank Present?"	☐ Yes ☒ No ☐ N/A	1
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2
Chain of Custody Complete:	☒ Yes ☐ No ☐ N/A	3
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	6
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	7
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	8
Filtered vol. Rec. for Diss. tests	☐ Yes ☐ No ☒ N/A	9
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	10
All containers received within manufacture's precautionary and/or expiration dates.	☒ Yes ☐ No ☐ N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐ Yes ☐ No ☒ N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A	13
If No, was preservative added? ☐ Yes ☐ No If added record lot no.: HNO3 _____ H2SO4 _____		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	14
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	17
Pace Trip Blank Lot # (if purchased):	N/A	18

Client Notification/ Resolution:

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____