284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**IDW-AQ-DRUM-633-05092025**								
Q2008-01	IDW-AQ-DRUM-6	Water	Chloromethane		880		32.0	500	ug/L
Q2008-01	IDW-AQ-DRUM-6	Water	Acetone		20100		150	2500	ug/L
Q2008-01	IDW-AQ-DRUM-6	Water	Methylene Chloride		110	J	28.0	500	ug/L
			Total Voc :		21100				
Q2008-01	IDW-AQ-DRUM-6	Water	Sulfur dioxide	*	510	J	0	0	ug/L
			Total Tics :		510				
			Total Concentration:		21600				

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046130.D	100		05/12/25 12:03	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.0	U	22.0	500	ug/L
74-87-3	Chloromethane	880		32.0	500	ug/L
75-01-4	Vinyl Chloride	26.0	U	26.0	500	ug/L
74-83-9	Bromomethane	140	U	140	500	ug/L
75-00-3	Chloroethane	47.0	U	47.0	500	ug/L
75-69-4	Trichlorofluoromethane	33.0	U	33.0	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.0	U	25.0	500	ug/L
75-35-4	1,1-Dichloroethene	23.0	U	23.0	500	ug/L
67-64-1	Acetone	20100		150	2500	ug/L
75-15-0	Carbon Disulfide	21.0	U	21.0	500	ug/L
1634-04-4	Methyl tert-butyl Ether	16.0	U	16.0	500	ug/L
79-20-9	Methyl Acetate	27.0	U	27.0	500	ug/L
75-09-2	Methylene Chloride	110	J	28.0	500	ug/L
156-60-5	trans-1,2-Dichloroethene	23.0	U	23.0	500	ug/L
75-34-3	1,1-Dichloroethane	23.0	U	23.0	500	ug/L
110-82-7	Cyclohexane	150	U	150	500	ug/L
78-93-3	2-Butanone	98.0	U	98.0	2500	ug/L
56-23-5	Carbon Tetrachloride	25.0	U	25.0	500	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0	U	19.0	500	ug/L
74-97-5	Bromochloromethane	22.0	U	22.0	500	ug/L
67-66-3	Chloroform	25.0	U	25.0	500	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	20.0	500	ug/L
108-87-2	Methylcyclohexane	16.0	U	16.0	500	ug/L
71-43-2	Benzene	15.0	U	15.0	500	ug/L
107-06-2	1,2-Dichloroethane	22.0	U	22.0	500	ug/L
79-01-6	Trichloroethene	9.30	U	9.30	500	ug/L
78-87-5	1,2-Dichloropropane	20.0	U	20.0	500	ug/L
75-27-4	Bromodichloromethane	22.0	U	22.0	500	ug/L
108-10-1	4-Methyl-2-Pentanone	68.0	U	68.0	2500	ug/L
108-88-3	Toluene	14.0	U	14.0	500	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046130.D	100		05/12/25 12:03	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.0	U	17.0	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	16.0	U	16.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	U	21.0	500	ug/L
591-78-6	2-Hexanone	89.0	U	89.0	2500	ug/L
124-48-1	Dibromochloromethane	18.0	U	18.0	500	ug/L
106-93-4	1,2-Dibromoethane	15.0	U	15.0	500	ug/L
127-18-4	Tetrachloroethene	23.0	U	23.0	500	ug/L
108-90-7	Chlorobenzene	12.0	U	12.0	500	ug/L
100-41-4	Ethyl Benzene	13.0	U	13.0	500	ug/L
179601-23-1	m/p-Xylenes	24.0	U	24.0	1000	ug/L
95-47-6	o-Xylene	12.0	U	12.0	500	ug/L
100-42-5	Styrene	15.0	U	15.0	500	ug/L
75-25-2	Bromoform	19.0	U	19.0	500	ug/L
98-82-8	Isopropylbenzene	12.0	U	12.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	26.0	U	26.0	500	ug/L
541-73-1	1,3-Dichlorobenzene	16.0	U	16.0	500	ug/L
106-46-7	1,4-Dichlorobenzene	19.0	U	19.0	500	ug/L
95-50-1	1,2-Dichlorobenzene	16.0	U	16.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.0	U	53.0	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	U	20.0	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	U	20.0	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68800	5.544			
540-36-3	1,4-Difluorobenzene	139000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	57100	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046130.D	100		05/12/25 12:03	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	510	J		1.24	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2008-01	IDW-AQ-DRUM-633-05092025	1,2-Dichloroethane-d4	50	53.2	106	70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100	70 (75)	130 (124)
		Toluene-d8	50	48.8	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)
VX0512WBL01	VX0512WBL01	1,2-Dichloroethane-d4	50	54.2	108	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.6	99	70 (77)	130 (121)
VX0512WBS01	VX0512WBS01	1,2-Dichloroethane-d4	50	55.1	110	70 (74)	130 (125)
		Dibromofluoromethane	50	56.2	112	70 (75)	130 (124)
		Toluene-d8	50	54.8	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.9	110	70 (77)	130 (121)
VX0512WBSD0	VX0512WBSD01	1,2-Dichloroethane-d4	50	54.3	109	70 (74)	130 (125)
		Dibromofluoromethane	50	55.9	112	70 (75)	130 (124)
		Toluene-d8	50	55.4	111	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.4	111	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D **Datafile :** VX046128.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0512WBS01	Dichlorodifluoromethane	20	21.8	ug/L	109			40 (69)	160 (116)	
	Chloromethane	20	20.3	ug/L	102			40 (65)	160 (116)	
	Vinyl chloride	20	19.8	ug/L	99			70 (65)	130 (117)	
	Bromomethane	20	19.2	ug/L	96			40 (58)	160 (125)	
	Chloroethane	20	20.7	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	21.8	ug/L	109			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			70 (80)	130 (112)	
	1,1-Dichloroethene	20	20.4	ug/L	102			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	18.7	ug/L	94			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	21.6	ug/L	108			70 (67)	130 (125)	
	Methylene Chloride	20	19.4	ug/L	97			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	20.2	ug/L	101			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.1	ug/L	106			70 (78)	130 (112)	
	Cyclohexane	20	20.3	ug/L	102			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	21.2	ug/L	106			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			70 (77)	130 (110)	
	Bromochloromethane	20	23.2	ug/L	116			70 (70)	130 (124)	
	Chloroform	20	21.8	ug/L	109			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	21.0	ug/L	105			70 (80)	130 (108)	
	Methylcyclohexane	20	20.3	ug/L	102			70 (72)	130 (115)	
	Benzene	20	21.2	ug/L	106			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.3	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	21.0	ug/L	105			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.7	ug/L	109			70 (83)	130 (111)	
	Bromodichloromethane	20	21.6	ug/L	108			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.1	ug/L	106			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.1	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.3	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	19.8	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	Ethyl Benzene	20	21.0	ug/L	105			70 (83)	130 (109)	
	m/p-Xylenes	40	41.9	ug/L	105			70 (82)	130 (110)	
	o-Xylene	20	21.3	ug/L	106			70 (83)	130 (109)	
	Styrene	20	21.4	ug/L	107			70 (80)	130 (111)	
	Bromoform	20	20.1	ug/L	101			70 (79)	130 (109)	
	Isopropylbenzene	20	21.7	ug/L	109			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/L	106			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	21.3	ug/L	106			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.7	ug/L	104			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	21.3	ug/L	106			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D **Datafile :** VX046128.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0512WBS01	1,2-Dibromo-3-Chloropropane	20	20.8	ug/L	104			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	20.1	ug/L	101			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D **Datafile :** VX046129.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0512WBSD01	Dichlorodifluoromethane	20	20.9	ug/L	104	5		40 (69)	160 (116)	20 (20)
	Chloromethane	20	19.6	ug/L	98	4		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	19.5	ug/L	98	1		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.3	ug/L	92	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	20.4	ug/L	102	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	21.0	ug/L	105	4		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104	2		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.8	ug/L	99	3		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.6	ug/L	93	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.2	ug/L	106	2		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	22.8	ug/L	114	5		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.4	ug/L	97	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/L	100	1		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.6	ug/L	103	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.9	ug/L	100	2		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.8	ug/L	104	2		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.7	ug/L	104	0		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.6	ug/L	113	3		70 (70)	130 (124)	20 (20)
	Chloroform	20	21.2	ug/L	106	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	21.0	ug/L	105	0		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.8	ug/L	99	3		70 (72)	130 (115)	20 (20)
	Benzene	20	21.3	ug/L	106	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.9	ug/L	110	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.9	ug/L	104	1		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	22.1	ug/L	111	2		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.6	ug/L	108	0		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		40 (74)	160 (118)	20 (20)
	Toluene	20	21.4	ug/L	107	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.6	ug/L	103	3		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	3		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	22.2	ug/L	111	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	22.4	ug/L	112	6		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	21.6	ug/L	108	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	0		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.3	ug/L	102	1		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.8	ug/L	104	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.8	ug/L	104	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.9	ug/L	104	2		70 (83)	130 (109)	20 (20)
	Styrene	20	21.9	ug/L	110	3		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.4	ug/L	102	1		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	21.4	ug/L	107	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.9	ug/L	104	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	20.4	ug/L	102	2		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	21.5	ug/L	108	2		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D **Datafile :** VX046129.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0512WBSD01	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106	2		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.8	ug/L	104	3		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.4	ug/L	102	1		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0512WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: VX046127.D Lab Sample ID: VX0512WBL01

Date Analyzed: 05/12/2025 Time Analyzed: 10:50

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0512WBS01	VX0512WBS01	VX046128.D	05/12/2025
VX0512WBSD01	VX0512WBSD01	VX046129.D	05/12/2025
IDW-AQ-DRUM-633-05092025	Q2008-01	VX046130.D	05/12/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: VX046124.D BFB Injection Date: 05/12/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:30

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	69.1
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	65.9 (95.4) 1
177	5.0 - 9.0% of mass 176	4.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046125.D	05/12/2025	09:59
VX0512WBL01	VX0512WBL01	VX046127.D	05/12/2025	10:50
VX0512WBS01	VX0512WBS01	VX046128.D	05/12/2025	11:13
VX0512WBSD01	VX0512WBSD01	VX046129.D	05/12/2025	11:40
IDW-AQ-DRUM-633-05092025	Q2008-01	VX046130.D	05/12/2025	12:03

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: VX046125.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	99352	5.54	165662	6.75	144793	10.05
UPPER LIMIT	198704	6.038	331324	7.251	289586	10.549
LOWER LIMIT	49676	5.038	82831	6.251	72396.5	9.549
EPA SAMPLE NO.						
IDW-AQ-DRUM-633-05092025	68762	5.54	138646	6.76	129122	10.05
VX0512WBL01	69374	5.54	138547	6.76	131027	10.05
VX0512WBS01	93419	5.54	162432	6.76	143385	10.05
VX0512WBSD01	90547	5.54	155274	6.76	138103	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: VX046125.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	69015	12.018				
UPPER LIMIT	138030	12.518				
LOWER LIMIT	34507.5	11.518				
EPA SAMPLE NO.						
IDW-AQ-DRUM-633-05092025	57082	12.02				
VX0512WBL01	55247	12.02				
VX0512WBS01	66250	12.02				
VX0512WBSD01	65121	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBL01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046127.D	1		05/12/25 10:50	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBL01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046127.D	1		05/12/25 10:50	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69400	5.544			
540-36-3	1,4-Difluorobenzene	139000	6.757			
3114-55-4	Chlorobenzene-d5	131000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	55200	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBL01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046127.D	1		05/12/25 10:50	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBS01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046128.D	1		05/12/25 11:13	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		0.22	5.00	ug/L
74-87-3	Chloromethane	20.3		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	19.8		0.26	5.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	20.7		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	21.8		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.23	5.00	ug/L
67-64-1	Acetone	100		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	18.7		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	5.00	ug/L
79-20-9	Methyl Acetate	21.6		0.27	5.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	5.00	ug/L
110-82-7	Cyclohexane	20.3		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.2		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.19	5.00	ug/L
74-97-5	Bromochloromethane	23.2		0.22	5.00	ug/L
67-66-3	Chloroform	21.8		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	20.3		0.16	5.00	ug/L
71-43-2	Benzene	21.2		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	21.0		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	21.7		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	21.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	25.0	ug/L
108-88-3	Toluene	21.1		0.14	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBS01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046128.D	1		05/12/25 11:13	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	5.00	ug/L
591-78-6	2-Hexanone	110		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.6		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	41.9		0.24	10.0	ug/L
95-47-6	o-Xylene	21.3		0.12	5.00	ug/L
100-42-5	Styrene	21.4		0.15	5.00	ug/L
75-25-2	Bromoform	20.1		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	21.7		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.2		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.3		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.3		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.1		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		70 (75) - 130 (124)	112%	SPK: 50
2037-26-5	Toluene-d8	54.8		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	93400	5.544			
540-36-3	1,4-Difluorobenzene	162000	6.757			
3114-55-4	Chlorobenzene-d5	143000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	66300	12.018			

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBS01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046128.D	1		05/12/25 11:13	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBSD01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046129.D	1		05/12/25 11:40	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.9		0.22	5.00	ug/L
74-87-3	Chloromethane	19.6		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	19.5		0.26	5.00	ug/L
74-83-9	Bromomethane	18.3		1.40	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.23	5.00	ug/L
67-64-1	Acetone	100		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	18.6		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.2		0.16	5.00	ug/L
79-20-9	Methyl Acetate	22.8		0.27	5.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.6		0.23	5.00	ug/L
110-82-7	Cyclohexane	19.9		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.7		0.19	5.00	ug/L
74-97-5	Bromochloromethane	22.6		0.22	5.00	ug/L
67-66-3	Chloroform	21.2		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.16	5.00	ug/L
71-43-2	Benzene	21.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.9		0.22	5.00	ug/L
79-01-6	Trichloroethene	20.9		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	22.1		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	21.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	25.0	ug/L
108-88-3	Toluene	21.4		0.14	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBSD01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046129.D	1		05/12/25 11:40	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.2		0.21	5.00	ug/L
591-78-6	2-Hexanone	110		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	22.4		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.3		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	20.8		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	41.8		0.24	10.0	ug/L
95-47-6	o-Xylene	20.9		0.12	5.00	ug/L
100-42-5	Styrene	21.9		0.15	5.00	ug/L
75-25-2	Bromoform	20.4		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	21.4		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.9		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.5		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.8		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.4		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	55.9		70 (75) - 130 (124)	112%	SPK: 50
2037-26-5	Toluene-d8	55.4		70 (86) - 130 (113)	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	90500	5.543			
540-36-3	1,4-Difluorobenzene	155000	6.757			
3114-55-4	Chlorobenzene-d5	138000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65100	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VX0512WBSD01	SDG No.:	Q2008
Lab Sample ID:	VX0512WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046129.D	1		05/12/25 11:40	VX051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: MSVOA_X Calibration Date/Time: 05/12/2025 09:59

Lab File ID: VX046125.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.819		7.06	20
Chloromethane	0.742	0.738	0.1	-0.54	20
Vinyl Chloride	0.691	0.666		-3.62	20
Bromomethane	0.320	0.303		-5.31	20
Chloroethane	0.369	0.371		0.54	20
Trichlorofluoromethane	1.021	1.041		1.96	20
1,1,2-Trichlorotrifluoroethane	0.632	0.622		-1.58	20
1,1-Dichloroethene	0.593	0.562		-5.23	20
Acetone	0.374	0.357		-4.55	20
Carbon Disulfide	1.406	1.418		0.85	20
Methyl tert-butyl Ether	2.079	2.008		-3.41	20
Methyl Acetate	0.867	0.843		-2.77	20
Methylene Chloride	0.716	0.643		-10.2	20
trans-1,2-Dichloroethene	0.596	0.570		-4.36	20
1,1-Dichloroethane	1.219	1.174	0.1	-3.69	20
Cyclohexane	1.111	1.042		-6.21	20
2-Butanone	0.543	0.506		-6.81	20
Carbon Tetrachloride	0.544	0.557		2.39	20
cis-1,2-Dichloroethene	0.718	0.686		-4.46	20
Bromochloromethane	0.587	0.557		-5.11	20
Chloroform	1.271	1.225		-3.62	20
1,1,1-Trichloroethane	1.101	1.086		-1.36	20
Methylcyclohexane	0.623	0.612		-1.77	20
Benzene	1.417	1.405		-0.85	20
1,2-Dichloroethane	0.612	0.610		-0.33	20
Trichloroethene	0.341	0.339		-0.59	20
1,2-Dichloropropane	0.352	0.360		2.27	20
Bromodichloromethane	0.547	0.578		5.67	20
4-Methyl-2-Pentanone	0.605	0.596		-1.49	20
Toluene	0.869	0.853		-1.84	20
t-1,3-Dichloropropene	0.487	0.519		6.57	20
cis-1,3-Dichloropropene	0.538	0.555		3.16	20
1,1,2-Trichloroethane	0.343	0.346		0.88	20
2-Hexanone	0.448	0.439		-2.01	20
Dibromochloromethane	0.376	0.412		9.57	20
1,2-Dibromoethane	0.356	0.351		-1.4	20
Tetrachloroethene	0.354	0.352		-0.56	20
Chlorobenzene	1.094	1.063	0.3	-2.83	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: MSVOA_X Calibration Date/Time: 05/12/2025 09:59

Lab File ID: VX046125.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.941		0.62	20
m/p-Xylenes	0.706	0.710		0.57	20
o-Xylene	0.688	0.691		0.44	20
Styrene	1.127	1.178		4.53	20
Bromoform	0.281	0.302	0.1	7.47	20
Isopropylbenzene	3.893	3.916		0.59	20
1,1,2,2-Tetrachloroethane	1.364	1.243	0.3	-8.87	20
1,3-Dichlorobenzene	1.649	1.648		-0.06	20
1,4-Dichlorobenzene	1.684	1.688		0.24	20
1,2-Dichlorobenzene	1.655	1.616		-2.36	20
1,2-Dibromo-3-Chloropropane	0.302	0.298		-1.33	20
1,2,4-Trichlorobenzene	0.951	0.964		1.37	20
1,2,3-Trichlorobenzene	0.981	0.982		0.1	20
1,2-Dichloroethane-d4	0.932	0.830		-10.94	20
Dibromofluoromethane	0.360	0.350		-2.78	20
Toluene-d8	1.246	1.176		-5.62	20
4-Bromofluorobenzene	0.478	0.462		-3.35	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031697.D	1	05/12/25 11:44	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	75.0		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.7		50 - 150	118%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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WATER GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: JACOBS Engineering Group, Inc.

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0512W1	88				0
BSF0512W1	92				0
IDW-AQ-DRUM-633-05092025	118				0
BSF0512W2	94				0

	QC LIMITS
AAA-TFT	For Water : 50-150 For Soil : 50-150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.

Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008

Matrix Spike - EPA Sample No : BSF0512W1 **Datafile:** FB031696.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	163	91	50-150

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.

Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008

Matrix Spike - EPA Sample No : BSF0512W2 **Datafile:** FB031698.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	185	103	50-150

LCS/LCSD % Recovery RPD : 12.6

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0512W1

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: FB031695.D Lab Sample ID: VBF0512W1

Date Analyzed: 05/12/25 Time Analyzed: 10:20

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: FB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0512W1	BSF0512W1	FB031696.D	05/12/25
IDW-AQ-DRUM-633-05092025	Q2008-01	FB031697.D	05/12/25
BSF0512W2	BSF0512W2	FB031698.D	05/12/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VBF0512W1	SDG No.:	Q2008
Lab Sample ID:	VBF0512W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031695.D	1	05/12/25 10:20	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	6.00	U	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		50 - 150	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	BSF0512W1	SDG No.:	Q2008
Lab Sample ID:	BSF0512W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031696.D	1	05/12/25 11:16	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	163		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.4		50 - 150	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	BSF0512W2	SDG No.:	Q2008
Lab Sample ID:	BSF0512W2	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031698.D	1	05/12/25 12:55	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	185		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150	94%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: JACO05

ProjectID: Former Schlumberger Site Princeton NJ 2025

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Calibration Sequence : FB042325		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1404536	31212	FB031638.D
90	2828773	31431	FB031639.D
180	5982574	33237	FB031640.D
450	16361923	36360	FB031641.D
900	31441842	34935	FB031642.D

AVG RF : 33435 **% RSD : 6.655** **AVG RT : 8.7924**

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: JACO05

ProjectID: Former Schlumberger Site Princeton NJ 2025

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

DataFile: FB031694.D Analyst Name: YP/AJ Analyst Date: 05-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6211245	34507	33435	3.206

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: JACO05

ProjectID: Former Schlumberger Site Princeton NJ 2025

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

DataFile: FB031699.D Analyst Name: YP/AJ Analyst Date: 05-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5654010	31411	33435	6.054

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Analytical Sequence

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Project: Former Schlumberger Site Princeton NJ 2025 **Instrument ID:** FID_B

GC Column: RTX-502.2 **ID:** 0.53 **(mm)**

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7924**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	12 May 2025 9:40	FB031694.D	8.787	
VBF0512W1	VBF0512W1	12 May 2025 10:20	FB031695.D	8.790	
BSF0512W1	BSF0512W1	12 May 2025 11:16	FB031696.D	8.792	
IDW-AQ-DRUM-633-05092025	Q2008-01	12 May 2025 11:44	FB031697.D	8.792	
BSF0512W2	BSF0512W2	12 May 2025 12:55	FB031698.D	8.791	
20 PPB GRO STD	20 PPB GRO STD	12 May 2025 13:53	FB031699.D	8.791	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6924	8.8924

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LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25**			**05/09/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**IDW-AQ-DRUM-633-05092025**							
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Butylbenzylphthalate		4.100	J	2.1	5.3	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Bis(2-ethylhexyl)phthalate		5.500		1.7	5.3	ug/L
		Total Svoc :				**9.60**		
Q2008-01	IDW-AQ-DRUM-633-05 WATER	.beta.-Acetylacrylic acid	*	9.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	1H-Pyrazole-3,4-diamine, 1,5-dim	*	19.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2,5-Hexanedione	*	190.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1,1,3-trichloro-	*	57.400	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1,1-dichloro-	*	67.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1,3-dichloro-	*	1,100.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1-chloro-	*	520.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Acetic acid, chloro-, ethyl ester	*	43.400	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Furazan, 3,4-bis(chloroacetylamin	*	8.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	n-Hexadecanoic acid	*	7.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Octadecanoic acid	*	20.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown10.292	*	11.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown3.675	*	16.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown6.340	*	16.200	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown6.798	*	14.300	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown7.722	*	120.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown8.322	*	23.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown9.163	*	13.200	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Butane, 2-methoxy-2-methyl-	*	87.800	J	0	0	ug/L
		Total Tics :				**2,346.70**		
		Total Concentration:				**2,356.30**		

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.20	U	4.20	10.6	ug/L
108-95-2	Phenol	0.97	U	0.97	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.86	U	0.86	5.30	ug/L
95-57-8	2-Chlorophenol	0.62	U	0.62	5.30	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.30	ug/L
98-86-2	Acetophenone	0.79	U	0.79	5.30	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.70	ug/L
67-72-1	Hexachloroethane	0.69	U	0.69	5.30	ug/L
98-95-3	Nitrobenzene	0.81	U	0.81	5.30	ug/L
78-59-1	Isophorone	0.80	U	0.80	5.30	ug/L
88-75-5	2-Nitrophenol	1.90	U	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	2.00	U	2.00	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.72	U	0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	0.55	U	0.55	5.30	ug/L
91-20-3	Naphthalene	0.53	U	0.53	5.30	ug/L
106-47-8	4-Chloroaniline	0.89	UQ	0.89	5.30	ug/L
87-68-3	Hexachlorobutadiene	0.57	U	0.57	5.30	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	0.63	U	0.63	5.30	ug/L
91-57-6	2-Methylnaphthalene	0.60	U	0.60	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	3.90	U	3.90	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	0.54	U	0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	0.66	U	0.66	5.30	ug/L
92-52-4	1,1-Biphenyl	0.56	U	0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	0.65	U	0.65	5.30	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.30	ug/L
131-11-3	Dimethylphthalate	0.65	U	0.65	5.30	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.80	U	0.80	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	0.98	U	0.98	5.30	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.30	ug/L
83-32-9	Acenaphthene	0.59	U	0.59	5.30	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.6	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.6	ug/L
132-64-9	Dibenzofuran	0.65	U	0.65	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.30	ug/L
84-66-2	Diethylphthalate	0.73	U	0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	0.72	5.30	ug/L
86-73-7	Fluorene	0.67	U	0.67	5.30	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	0.62	U	0.62	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43	U	0.43	5.30	ug/L
118-74-1	Hexachlorobenzene	0.55	U	0.55	5.30	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.30	ug/L
87-86-5	Pentachlorophenol	1.70	U	1.70	10.6	ug/L
85-01-8	Phenanthrene	0.53	U	0.53	5.30	ug/L
120-12-7	Anthracene	0.65	U	0.65	5.30	ug/L
86-74-8	Carbazole	0.77	U	0.77	5.30	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.30	ug/L
206-44-0	Fluoranthene	0.87	U	0.87	5.30	ug/L
129-00-0	Pyrene	0.53	U	0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	4.10	J	2.10	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	0.99	U	0.99	10.6	ug/L
56-55-3	Benzo(a)anthracene	0.48	U	0.48	5.30	ug/L
218-01-9	Chrysene	0.47	U	0.47	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.50		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	0.52	U	0.52	5.30	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.51	U	0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	0.59	U	0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.63	U	0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.71	U	0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	0.73	U	0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	0.55	5.30	ug/L
123-91-1	1,4-Dioxane	1.10	U	1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.77	U	0.77	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	19.6	*	15 (10) - 110 (139)	13%	SPK: 150
13127-88-3	Phenol-d6	13.2	*	15 (10) - 110 (134)	9%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.6		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.8		30 (52) - 130 (132)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.9		15 (44) - 110 (137)	56%	SPK: 150
1718-51-0	Terphenyl-d14	71.0		30 (48) - 130 (125)	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	241000	6.91			
1146-65-2	Naphthalene-d8	927000	8.187			
15067-26-2	Acenaphthene-d10	505000	9.939			
1517-22-2	Phenanthrene-d10	921000	11.427			
1719-03-5	Chrysene-d12	603000	14.063			
1520-96-3	Perylene-d12	431000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	87.8	J		2.23	ug/L
000078-95-5	2-Propanone, 1-chloro-	520	J		2.44	ug/L
000513-88-2	2-Propanone, 1,1-dichloro-	67.8	J		3.39	ug/L
	unknown3.675	16.8	J		3.67	ug/L
000534-07-6	2-Propanone, 1,3-dichloro-	1100	J		5.80	ug/L
076368-87-1	1H-Pyrazole-3,4-diamine, 1,5-dimet	19.1	J		6.08	ug/L
000110-13-4	2,5-Hexanedione	190	J		6.13	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
	unknown6.340	16.2	J		6.34	ug/L
000921-03-9	2-Propanone, 1,1,3-trichloro-	57.4	J		6.47	ug/L
	unknown6.798	14.3	J		6.80	ug/L
	unknown7.722	120	J		7.72	ug/L
004743-82-2	.beta.-Acetylacrylic acid	9.80	J		8.24	ug/L
	unknown8.322	23.1	J		8.32	ug/L
000105-39-5	Acetic acid, chloro-, ethyl ester	43.4	J		9.03	ug/L
	unknown9.163	13.2	J		9.16	ug/L
124460-62-4	Furazan, 3,4-bis(chloroacetylamino	8.80	J		9.47	ug/L
	unknown10.292	11.1	J		10.3	ug/L
000057-10-3	n-Hexadecanoic acid	7.80	J		12.0	ug/L
000057-11-4	Octadecanoic acid	20.1	J		12.7	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167951BL	PB167951BL	2-Fluorophenol	150	123	82		15 (10)	110 (139)
		Phenol-d6	150	119	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.0	82		30 (49)	130 (133)
		2-Fluorobiphenyl	100	70.8	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	137	92		15 (44)	110 (137)
		Terphenyl-d14	100	64.9	65		30 (48)	130 (125)
PB167951BS	PB167951BS	2-Fluorophenol	150	121	80		15 (10)	110 (139)
		Phenol-d6	150	122	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.7	83		30 (49)	130 (133)
		2-Fluorobiphenyl	100	72.3	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	144	96		15 (44)	110 (137)
		Terphenyl-d14	100	77.8	78		30 (48)	130 (125)
Q1993-02MS	MW-3-20250508MS	2-Fluorophenol	150	63.4	42		15 (10)	110 (139)
		Phenol-d6	150	41.2	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.2	86		30 (49)	130 (133)
		2-Fluorobiphenyl	100	74.5	74		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	139	93		15 (44)	110 (137)
		Terphenyl-d14	100	69.6	70		30 (48)	130 (125)
Q1993-03MSD	MW-3-20250508MSD	2-Fluorophenol	150	67.3	45		15 (10)	110 (139)
		Phenol-d6	150	44.1	29		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.3	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.7	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	149	99		15 (44)	110 (137)
		Terphenyl-d14	100	72.6	73		30 (48)	130 (125)
Q2008-01	IDW-AQ-DRUM-633-05092025	2-Fluorophenol	150	19.6	13	*	15 (10)	110 (139)
		Phenol-d6	150	13.2	9	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	89.6	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	65.8	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	83.9	56		15 (44)	110 (137)
		Terphenyl-d14	100	71.0	71		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1993-02MS		**Client Sample ID: MW-3-20250508MS**						**DataFile: BF142341.D**			
Benzaldehyde	50	0	36.1	ug/L	72				20 (10)	160 (137)	
Phenol	50	0	15.7	ug/L	31				20 (10)	160 (130)	
bis(2-Chloroethyl)ether	50	0	35.0	ug/L	70				70 (29)	130 (141)	
2-Chlorophenol	50	0	37.4	ug/L	75				70 (23)	130 (127)	
2-Methylphenol	50	0	31.8	ug/L	64	*			70 (60)	130 (131)	
2,2-oxybis(1-Chloropropane)	50	0	39.4	ug/L	79				70 (36)	130 (141)	
Acetophenone	50	0	43.2	ug/L	86				70 (31)	130 (164)	
3+4-Methylphenols	50	0	28.6	ug/L	57				20 (54)	160 (136)	
N-Nitroso-di-n-propylamine	50	0	42.9	ug/L	86				70 (36)	130 (147)	
Hexachloroethane	50	0	34.3	ug/L	69				20 (19)	160 (146)	
Nitrobenzene	50	0	46.3	ug/L	93				70 (62)	130 (112)	
Isophorone	50	0	44.7	ug/L	89				70 (39)	130 (146)	
2-Nitrophenol	50	0	49.6	ug/L	99				70 (30)	130 (148)	
2,4-Dimethylphenol	50	0	42.1	ug/L	84				70 (17)	130 (143)	
bis(2-Chloroethoxy)methane	50	0	43.8	ug/L	88				70 (39)	130 (143)	
2,4-Dichlorophenol	50	0	44.5	ug/L	89				70 (22)	130 (146)	
Naphthalene	50	0	40.6	ug/L	81				70 (17)	130 (157)	
4-Chloroaniline	50	0	14.7	ug/L	29	*			70 (10)	130 (95)	
Hexachlorobutadiene	50	0	38.4	ug/L	77				70 (52)	130 (125)	
Caprolactam	50	0	9.30	ug/L	19	*			20 (10)	160 (130)	
4-Chloro-3-methylphenol	50	0	40.8	ug/L	82				70 (17)	130 (148)	
2-Methylnaphthalene	50	0	42.6	ug/L	85				70 (38)	130 (146)	
Hexachlorocyclopentadiene	100	0	77.1	ug/L	77				20 (20)	160 (153)	
2,4,6-Trichlorophenol	50	0	48.7	ug/L	97				70 (78)	130 (112)	
2,4,5-Trichlorophenol	50	0	46.2	ug/L	92				70 (71)	130 (111)	
1,1-Biphenyl	50	0	43.3	ug/L	87				70 (38)	130 (154)	
2-Chloronaphthalene	50	0	42.8	ug/L	86				70 (41)	130 (145)	
2-Nitroaniline	50	0	52.4	ug/L	105				70 (39)	130 (151)	
Dimethylphthalate	50	0	46.5	ug/L	93				70 (42)	130 (147)	
Acenaphthylene	50	0	43.0	ug/L	86				70 (40)	130 (141)	
2,6-Dinitrotoluene	50	0	53.9	ug/L	108				70 (43)	130 (148)	
3-Nitroaniline	50	0	25.2	ug/L	50	*			70 (10)	130 (111)	
Acenaphthene	50	0	47.5	ug/L	95				70 (37)	130 (146)	
2,4-Dinitrophenol	100	0	98.5	ug/L	99				20 (14)	160 (167)	
4-Nitrophenol	100	0	37.0	ug/L	37				20 (10)	160 (130)	
Dibenzofuran	50	0	42.9	ug/L	86				70 (41)	130 (145)	
2,4-Dinitrotoluene	50	0	56.1	ug/L	112				70 (74)	130 (137)	
Diethylphthalate	50	41.1	70.9	ug/L	60	*			70 (41)	130 (148)	
4-Chlorophenyl-phenylether	50	0	43.6	ug/L	87				70 (38)	130 (149)	
Fluorene	50	0	42.6	ug/L	85				70 (39)	130 (144)	
4-Nitroaniline	50	0	51.9	ug/L	104				70 (27)	130 (138)	
4,6-Dinitro-2-methylphenol	50	0	53.7	ug/L	107				70 (32)	130 (175)	
N-Nitrosodiphenylamine	50	0	47.6	ug/L	95				70 (40)	130 (150)	
4-Bromophenyl-phenylether	50	0	48.4	ug/L	97				70 (42)	130 (151)	
Hexachlorobenzene	50	0	47.7	ug/L	95				70 (72)	130 (115)	
Atrazine	50	0	48.2	ug/L	96				70 (20)	130 (162)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	100	ug/L	100				20 (52)	160 (162)	
Phenanthrene	50	0	44.0	ug/L	88				70 (40)	130 (147)	
Anthracene	50	0	43.9	ug/L	88				70 (41)	130 (146)	
Carbazole	50	0	41.1	ug/L	82				70 (37)	130 (154)	
Di-n-butylphthalate	50	0	52.0	ug/L	104				70 (40)	130 (151)	
Fluoranthene	50	0	39.5	ug/L	79				70 (42)	130 (146)	
Pyrene	50	0	40.2	ug/L	80				70 (41)	130 (149)	
Butylbenzylphthalate	50	0	54.8	ug/L	110				70 (39)	130 (155)	
3,3-Dichlorobenzidine	50	0	40.5	ug/L	81				70 (10)	130 (114)	
Benzo(a)anthracene	50	0	46.2	ug/L	92				70 (41)	130 (147)	
Chrysene	50	0	45.3	ug/L	91				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	50	8.70	59.5	ug/L	102				70 (33)	130 (160)	
Di-n-octyl phthalate	50	0	52.5	ug/L	105				70 (36)	130 (158)	
Benzo(b)fluoranthene	50	0	46.9	ug/L	94				70 (40)	130 (150)	
Benzo(k)fluoranthene	50	0	46.3	ug/L	93				70 (40)	130 (147)	
Benzo(a)pyrene	50	0	47.6	ug/L	95				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	50	0	35.7	ug/L	71				70 (30)	130 (166)	
Dibenz(a,h)anthracene	50	0	36.2	ug/L	72				70 (23)	130 (172)	
Benzo(g,h,i)perylene	50	0	31.9	ug/L	64	*			70 (27)	130 (167)	
1,2,4,5-Tetrachlorobenzene	50	0	42.5	ug/L	85				70 (89)	130 (102)	
1,4-Dioxane	50	0	17.9	ug/L	36				20 (38)	160 (130)	
2,3,4,6-Tetrachlorophenol	50	0	49.1	ug/L	98				70 (91)	130 (111)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1993-03MSD		**Client Sample ID: MW-3-20250508MSD**						**DataFile: BF142342.D**			
Benzaldehyde	50	0	38.2	ug/L	76		5		20 (10)	160 (137)	20 (20)
Phenol	50	0	16.6	ug/L	33		6		20 (10)	160 (130)	20 (20)
bis(2-Chloroethyl)ether	50	0	37.1	ug/L	74		6		70 (29)	130 (141)	20 (20)
2-Chlorophenol	50	0	39.6	ug/L	79		5		70 (23)	130 (127)	20 (20)
2-Methylphenol	50	0	34.2	ug/L	68	*	6		70 (60)	130 (131)	20 (20)
2,2-oxybis(1-Chloropropane)	50	0	41.4	ug/L	83		5		70 (36)	130 (141)	20 (20)
Acetophenone	50	0	45.4	ug/L	91		6		70 (31)	130 (164)	20 (20)
3+4-Methylphenols	50	0	30.3	ug/L	61		7		20 (54)	160 (136)	20 (20)
N-Nitroso-di-n-propylamine	50	0	45.2	ug/L	90		5		70 (36)	130 (147)	20 (20)
Hexachloroethane	50	0	35.6	ug/L	71		3		20 (19)	160 (146)	20 (20)
Nitrobenzene	50	0	49.8	ug/L	100		7		70 (62)	130 (112)	20 (20)
Isophorone	50	0	47.0	ug/L	94		5		70 (39)	130 (146)	20 (20)
2-Nitrophenol	50	0	52.7	ug/L	105		6		70 (30)	130 (148)	20 (20)
2,4-Dimethylphenol	50	0	44.5	ug/L	89		6		70 (17)	130 (143)	20 (20)
bis(2-Chloroethoxy)methane	50	0	46.1	ug/L	92		4		70 (39)	130 (143)	20 (20)
2,4-Dichlorophenol	50	0	46.8	ug/L	94		5		70 (22)	130 (146)	20 (20)
Naphthalene	50	0	42.7	ug/L	85		5		70 (17)	130 (157)	20 (20)
4-Chloroaniline	50	0	15.0	ug/L	30	*	3		70 (10)	130 (95)	20 (20)
Hexachlorobutadiene	50	0	40.1	ug/L	80		4		70 (52)	130 (125)	20 (20)
Caprolactam	50	0	10.5	ug/L	21		10		20 (10)	160 (130)	20 (20)
4-Chloro-3-methylphenol	50	0	43.4	ug/L	87		6		70 (17)	130 (148)	20 (20)
2-Methylnaphthalene	50	0	44.2	ug/L	88		3		70 (38)	130 (146)	20 (20)
Hexachlorocyclopentadiene	100	0	80.5	ug/L	81		5		20 (20)	160 (153)	20 (20)
2,4,6-Trichlorophenol	50	0	51.7	ug/L	103		6		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	50	0	50.0	ug/L	100		8		70 (71)	130 (111)	20 (20)
1,1-Biphenyl	50	0	45.6	ug/L	91		4		70 (38)	130 (154)	20 (20)
2-Chloronaphthalene	50	0	45.5	ug/L	91		6		70 (41)	130 (145)	20 (20)
2-Nitroaniline	50	0	56.9	ug/L	114		8		70 (39)	130 (151)	20 (20)
Dimethylphthalate	50	0	49.3	ug/L	99		6		70 (42)	130 (147)	20 (20)
Acenaphthylene	50	0	45.5	ug/L	91		6		70 (40)	130 (141)	20 (20)
2,6-Dinitrotoluene	50	0	57.7	ug/L	115		6		70 (43)	130 (148)	20 (20)
3-Nitroaniline	50	0	25.9	ug/L	52	*	4		70 (10)	130 (111)	20 (20)
Acenaphthene	50	0	50.7	ug/L	101		6		70 (37)	130 (146)	20 (20)
2,4-Dinitrophenol	100	0	110	ug/L	110		11		20 (14)	160 (167)	20 (20)
4-Nitrophenol	100	0	40.3	ug/L	40		8		20 (10)	160 (130)	20 (20)
Dibenzofuran	50	0	45.3	ug/L	91		6		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	50	0	60.6	ug/L	121		8		70 (74)	130 (137)	20 (20)
Diethylphthalate	50	41.1	75.2	ug/L	68	*	13		70 (41)	130 (148)	20 (20)
4-Chlorophenyl-phenylether	50	0	46.2	ug/L	92		6		70 (38)	130 (149)	20 (20)
Fluorene	50	0	45.2	ug/L	90		6		70 (39)	130 (144)	20 (20)
4-Nitroaniline	50	0	56.9	ug/L	114		9		70 (27)	130 (138)	20 (20)
4,6-Dinitro-2-methylphenol	50	0	58.3	ug/L	117		9		70 (32)	130 (175)	20 (20)
N-Nitrosodiphenylamine	50	0	49.8	ug/L	100		5		70 (40)	130 (150)	20 (20)
4-Bromophenyl-phenylether	50	0	51.1	ug/L	102		5		70 (42)	130 (151)	20 (20)
Hexachlorobenzene	50	0	50.1	ug/L	100		5		70 (72)	130 (115)	20 (20)
Atrazine	50	0	51.5	ug/L	103		7		70 (20)	130 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	110	ug/L	110		10		20 (52)	160 (162)	20 (20)
Phenanthrene	50	0	46.5	ug/L	93		6		70 (40)	130 (147)	20 (20)
Anthracene	50	0	45.9	ug/L	92		4		70 (41)	130 (146)	20 (20)
Carbazole	50	0	43.7	ug/L	87		6		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	50	0	54.5	ug/L	109		5		70 (40)	130 (151)	20 (20)
Fluoranthene	50	0	41.9	ug/L	84		6		70 (42)	130 (146)	20 (20)
Pyrene	50	0	42.7	ug/L	85		6		70 (41)	130 (149)	20 (20)
Butylbenzylphthalate	50	0	60.3	ug/L	121		10		70 (39)	130 (155)	20 (20)
3,3-Dichlorobenzidine	50	0	42.7	ug/L	85		5		70 (10)	130 (114)	20 (20)
Benzo(a)anthracene	50	0	48.4	ug/L	97		5		70 (41)	130 (147)	20 (20)
Chrysene	50	0	48.0	ug/L	96		5		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	50	8.70	62.6	ug/L	108		6		70 (33)	130 (160)	20 (20)
Di-n-octyl phthalate	50	0	54.6	ug/L	109		4		70 (36)	130 (158)	20 (20)
Benzo(b)fluoranthene	50	0	48.4	ug/L	97		3		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	50	0	50.7	ug/L	101		8		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	50	0	50.8	ug/L	102		7		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	50	0	37.1	ug/L	74		4		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	50	0	37.4	ug/L	75		4		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	50	0	33.0	ug/L	66	*	3		70 (27)	130 (167)	20 (20)
1,2,4,5-Tetrachlorobenzene	50	0	44.5	ug/L	89		5		70 (89)	130 (102)	20 (20)
1,4-Dioxane	50	0	19.4	ug/L	39		8		20 (38)	160 (130)	20 (20)
2,3,4,6-Tetrachlorophenol	50	0	51.3	ug/L	103		5		70 (91)	130 (111)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF142338.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167951BS	Benzaldehyde	50	22.9	ug/L	46				20 (10)	160 (162)	
	Phenol	50	46.1	ug/L	92				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	37.5	ug/L	75				70 (62)	130 (103)	
	2-Chlorophenol	50	45.0	ug/L	90				70 (70)	130 (117)	
	2-Methylphenol	50	44.7	ug/L	89				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	41.1	ug/L	82				70 (65)	130 (100)	
	Acetophenone	50	41.6	ug/L	83				70 (60)	130 (104)	
	3+4-Methylphenols	50	43.5	ug/L	87				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	42.2	ug/L	84				70 (57)	130 (107)	
	Hexachloroethane	50	42.8	ug/L	86				20 (76)	160 (118)	
	Nitrobenzene	50	46.1	ug/L	92				70 (58)	130 (106)	
	Isophorone	50	43.8	ug/L	88				70 (61)	130 (102)	
	2-Nitrophenol	50	47.0	ug/L	94				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	45.2	ug/L	90				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	42.8	ug/L	86				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	46.4	ug/L	93				70 (66)	130 (115)	
	Naphthalene	50	42.1	ug/L	84				70 (64)	130 (107)	
	4-Chloroaniline	50	12.7	ug/L	25		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	43.3	ug/L	87				70 (69)	130 (101)	
	Caprolactam	50	51.4	ug/L	103				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	46.6	ug/L	93				70 (65)	130 (114)	
	2-Methylnaphthalene	50	42.8	ug/L	86				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	89.0	ug/L	89				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	49.5	ug/L	99				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	46.5	ug/L	93				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.4	ug/L	83				70 (72)	130 (98)	
	2-Chloronaphthalene	50	42.7	ug/L	85				70 (59)	130 (106)	
	2-Nitroaniline	50	50.3	ug/L	101				70 (73)	130 (114)	
	Dimethylphthalate	50	44.7	ug/L	89				70 (64)	130 (103)	
	Acenaphthylene	50	42.5	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	52.6	ug/L	105				70 (64)	130 (110)	
	3-Nitroaniline	50	36.4	ug/L	73				70 (28)	130 (100)	
	Acenaphthene	50	46.5	ug/L	93				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	100	ug/L	100				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	42.4	ug/L	85				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	55.9	ug/L	112				70 (60)	130 (115)	
	Diethylphthalate	50	45.3	ug/L	91				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.1	ug/L	86				70 (61)	130 (104)	
	Fluorene	50	42.0	ug/L	84				70 (64)	130 (107)	
	4-Nitroaniline	50	61.2	ug/L	122				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	50.3	ug/L	101				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.5	ug/L	87				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	44.9	ug/L	90				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF142338.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167951BS	Hexachlorobenzene	50	45.6	ug/L	91				70 (73)	130 (106)	
	Atrazine	50	50.3	ug/L	101				70 (76)	130 (120)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	43.0	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	43.1	ug/L	86				70 (65)	130 (110)	
	Carbazole	50	44.1	ug/L	88				70 (62)	130 (106)	
	Di-n-butylphthalate	50	48.4	ug/L	97				70 (64)	130 (106)	
	Fluoranthene	50	43.7	ug/L	87				70 (64)	130 (110)	
	Pyrene	50	45.2	ug/L	90				70 (71)	130 (103)	
	Butylbenzylphthalate	50	49.4	ug/L	99				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	40.4	ug/L	81				70 (43)	130 (108)	
	Benzo(a)anthracene	50	45.7	ug/L	91				70 (62)	130 (107)	
	Chrysene	50	45.0	ug/L	90				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	45.0	ug/L	90				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	43.5	ug/L	87				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	45.9	ug/L	92				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	48.3	ug/L	97				70 (77)	130 (105)	
	Benzo(a)pyrene	50	48.1	ug/L	96				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	46.3	ug/L	93				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	46.0	ug/L	92				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	46.0	ug/L	92				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	40.9	ug/L	82				70 (72)	130 (101)	
	1,4-Dioxane	50	32.6	ug/L	65				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	50.1	ug/L	100				70 (63)	130 (116)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167951BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: BF142337.D Lab Sample ID: PB167951BL

Instrument ID: BNA_F Date Extracted: 05/12/2025

Matrix: (soil/water) Water Date Analyzed: 05/13/2025

Level: (low/med) LOW Time Analyzed: 11:17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167951BS	PB167951BS	BF142338.D	05/13/2025
MW-3-20250508MS	Q1993-02MS	BF142341.D	05/13/2025
MW-3-20250508MSD	Q1993-03MSD	BF142342.D	05/13/2025
IDW-AQ-DRUM-633-05092025	Q2008-01	BF142344.D	05/13/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: BF142294.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	25.8
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142295.D	05/05/2025	13:54
SSTDICC005	SSTDICC005	BF142296.D	05/05/2025	14:23
SSTDICC010	SSTDICC010	BF142297.D	05/05/2025	14:52
SSTDICC020	SSTDICC020	BF142298.D	05/05/2025	15:21
SSTDICCC040	SSTDICCC040	BF142299.D	05/05/2025	15:50
SSTDICC050	SSTDICC050	BF142300.D	05/05/2025	16:18
SSTDICC060	SSTDICC060	BF142301.D	05/05/2025	16:47
SSTDICC080	SSTDICC080	BF142302.D	05/05/2025	17:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: BF142335.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.4
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	21.1
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	28.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.4
275	10.0 - 60.0% of mass 198	20.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142336.D	05/13/2025	10:49
PB167951BL	PB167951BL	BF142337.D	05/13/2025	11:17
PB167951BS	PB167951BS	BF142338.D	05/13/2025	11:46
MW-3-20250508MS	Q1993-02MS	BF142341.D	05/13/2025	13:16
MW-3-20250508MSD	Q1993-03MSD	BF142342.D	05/13/2025	13:45
IDW-AQ-DRUM-633-05092025	Q2008-01	BF142344.D	05/13/2025	15:17

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDICCC040 Date Analyzed: 05/05/2025

Lab File ID: BF142299.D Time Analyzed: 15:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	215157	6.904	842526	8.19	453823	9.95
	UPPER LIMIT	430314	7.404	1685050	8.687	907646	10.445
	LOWER LIMIT	107579	6.404	421263	7.687	226912	9.445
	EPA SAMPLE NO.						
01	MW-3-20250508MS	222671	6.90	844135	8.19	448767	9.95
02	MW-3-20250508MSD	221066	6.90	841600	8.19	447768	9.95
03	PB167951BL	233617	6.90	911574	8.19	504645	9.94
04	PB167951BS	241382	6.90	943250	8.19	511130	9.95
05	IDW-AQ-DRUM-633-05092025	241479	6.91	926949	8.19	504780	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDICCC040 Date Analyzed: 05/05/2025

Lab File ID: BF142299.D Time Analyzed: 15:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	760936	11.433	448285	14.069	426732	15.563
	UPPER LIMIT	1521870	11.933	896570	14.569	853464	16.063
	LOWER LIMIT	380468	10.933	224143	13.569	213366	15.063
	EPA SAMPLE NO.						
01	MW-3-20250508MS	711096	11.43	400063	14.07	458773	15.56
02	MW-3-20250508MSD	724658	11.43	407587	14.07	453389	15.56
03	PB167951BL	917241	11.43	662807	14.07	462932	15.56
04	PB167951BS	874805	11.43	500567	14.07	474027	15.56
05	IDW-AQ-DRUM-633-05092025	920791	11.43	602587	14.06	431268	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/13/2025

Lab File ID: BF142336.D Time Analyzed: 10:49

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	199243	6.904	783419	8.19	422251	9.95
	UPPER LIMIT	398486	7.404	1566840	8.687	844502	10.445
	LOWER LIMIT	99621.5	6.404	391710	7.687	211126	9.445
	EPA SAMPLE NO.						
01	PB167951BL	233617	6.90	911574	8.19	504645	9.94
02	PB167951BS	241382	6.90	943250	8.19	511130	9.95
03	MW-3-20250508MS	222671	6.90	844135	8.19	448767	9.95
04	MW-3-20250508MSD	221066	6.90	841600	8.19	447768	9.95
05	IDW-AQ-DRUM-633-05092025	241479	6.91	926949	8.19	504780	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/13/2025

Lab File ID: BF142336.D Time Analyzed: 10:49

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	732764	11.433	429049	14.074	422358	15.563
	UPPER LIMIT	1465530	11.933	858098	14.574	844716	16.063
	LOWER LIMIT	366382	10.933	214525	13.574	211179	15.063
	EPA SAMPLE NO.						
01	PB167951BL	917241	11.43	662807	14.07	462932	15.56
02	PB167951BS	874805	11.43	500567	14.07	474027	15.56
03	MW-3-20250508MS	711096	11.43	400063	14.07	458773	15.56
04	MW-3-20250508MSD	724658	11.43	407587	14.07	453389	15.56
05	IDW-AQ-DRUM-633-05092025	920791	11.43	602587	14.06	431268	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q2008
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q2008
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q2008
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		15 (10) - 110 (139)	82%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		30 (49) - 130 (133)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	64.9		30 (48) - 130 (125)	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	234000	6.904			
1146-65-2	Naphthalene-d8	912000	8.186			
15067-26-2	Acenaphthene-d10	505000	9.939			
1517-22-2	Phenanthrene-d10	917000	11.427			
1719-03-5	Chrysene-d12	663000	14.068			
1520-96-3	Perylene-d12	463000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.20	A		5.14	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.			Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025			Date Received:	
Client Sample ID:	PB167951BL			SDG No.:	Q2008
Lab Sample ID:	PB167951BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q2008
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142338.D	1	05/12/25 08:40	05/13/25 11:46	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	22.9		3.90	10.0	ug/L
108-95-2	Phenol	46.1		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.5		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.0		0.58	5.00	ug/L
95-48-7	2-Methylphenol	44.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.1		1.30	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		1.40	2.50	ug/L
67-72-1	Hexachloroethane	42.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.1		0.76	5.00	ug/L
78-59-1	Isophorone	43.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.2		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.4		0.52	5.00	ug/L
91-20-3	Naphthalene	42.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	12.7		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.3		0.54	5.00	ug/L
105-60-2	Caprolactam	51.4		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	46.6		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.0	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.5		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.5		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.4		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	50.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.7		0.61	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q2008
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142338.D	1	05/12/25 08:40	05/13/25 11:46	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	52.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	36.4		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	55.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.3		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.1		0.68	5.00	ug/L
86-73-7	Fluorene	42.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	61.2		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.3		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	50.3		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.0		0.50	5.00	ug/L
120-12-7	Anthracene	43.1		0.61	5.00	ug/L
86-74-8	Carbazole	44.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.4		1.20	5.00	ug/L
206-44-0	Fluoranthene	43.7		0.82	5.00	ug/L
129-00-0	Pyrene	45.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	40.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.7		0.45	5.00	ug/L
218-01-9	Chrysene	45.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.9		0.49	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q2008
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142338.D	1	05/12/25 08:40	05/13/25 11:46	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.3		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	48.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.3		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.0		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.6		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	121		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.7		30 (49) - 130 (133)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		30 (52) - 130 (132)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		15 (44) - 110 (137)	96%	SPK: 150
1718-51-0	Terphenyl-d14	77.8		30 (48) - 130 (125)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	241000	6.904			
1146-65-2	Naphthalene-d8	943000	8.187			
15067-26-2	Acenaphthene-d10	511000	9.945			
1517-22-2	Phenanthrene-d10	875000	11.433			
1719-03-5	Chrysene-d12	501000	14.074			
1520-96-3	Perylene-d12	474000	15.563			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q2008
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142341.D	1	05/12/25 08:40	05/13/25 13:16	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.1		3.90	10.0	ug/L
108-95-2	Phenol	15.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.0		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	37.4		0.58	5.00	ug/L
95-48-7	2-Methylphenol	31.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.4		1.30	5.00	ug/L
98-86-2	Acetophenone	43.2		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.9		1.40	2.50	ug/L
67-72-1	Hexachloroethane	34.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.3		0.76	5.00	ug/L
78-59-1	Isophorone	44.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	49.6		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.5		0.52	5.00	ug/L
91-20-3	Naphthalene	40.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	14.7		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.4		0.54	5.00	ug/L
105-60-2	Caprolactam	9.30	J	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	40.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.6		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	77.1		3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.2		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.3		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.8		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	52.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	46.5		0.61	5.00	ug/L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q2008
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142341.D	1	05/12/25 08:40	05/13/25 13:16	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.0		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.9		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	98.5	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	37.0		2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	56.1		1.20	5.00	ug/L
84-66-2	Diethylphthalate	70.9		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.6		0.68	5.00	ug/L
86-73-7	Fluorene	42.6		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	51.9		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.4		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.7		0.52	5.00	ug/L
1912-24-9	Atrazine	48.2		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.0		0.50	5.00	ug/L
120-12-7	Anthracene	43.9		0.61	5.00	ug/L
86-74-8	Carbazole	41.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	39.5		0.82	5.00	ug/L
129-00-0	Pyrene	40.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	54.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	40.5		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.2		0.45	5.00	ug/L
218-01-9	Chrysene	45.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	59.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	52.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.9		0.49	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q2008
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142341.D	1	05/12/25 08:40	05/13/25 13:16	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.3		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	35.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	36.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	31.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	17.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	63.4		15 (10) - 110 (139)	42%	SPK: 150
13127-88-3	Phenol-d6	41.2		15 (10) - 110 (134)	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.2		30 (49) - 130 (133)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		30 (52) - 130 (132)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		15 (44) - 110 (137)	93%	SPK: 150
1718-51-0	Terphenyl-d14	69.6		30 (48) - 130 (125)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	223000	6.904			
1146-65-2	Naphthalene-d8	844000	8.187			
15067-26-2	Acenaphthene-d10	449000	9.945			
1517-22-2	Phenanthrene-d10	711000	11.433			
1719-03-5	Chrysene-d12	400000	14.074			
1520-96-3	Perylene-d12	459000	15.563			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q2008
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142342.D	1	05/12/25 08:40	05/13/25 13:45	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.2		3.90	10.0	ug/L
108-95-2	Phenol	16.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.1		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	39.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	34.2		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.4		1.30	5.00	ug/L
98-86-2	Acetophenone	45.4		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.3		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45.2		1.40	2.50	ug/L
67-72-1	Hexachloroethane	35.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	49.8		0.76	5.00	ug/L
78-59-1	Isophorone	47.0		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	52.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.5		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.1		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.8		0.52	5.00	ug/L
91-20-3	Naphthalene	42.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.0		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.1		0.54	5.00	ug/L
105-60-2	Caprolactam	10.5		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.4		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.2		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	80.5	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.5		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	56.9		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	49.3		0.61	5.00	ug/L

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Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q2008
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142342.D	1	05/12/25 08:40	05/13/25 13:45	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	57.7		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	5.00	ug/L
83-32-9	Acenaphthene	50.7		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	40.3		2.40	10.0	ug/L
132-64-9	Dibenzofuran	45.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	60.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	75.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.2		0.68	5.00	ug/L
86-73-7	Fluorene	45.2		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	56.9		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	58.3		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	50.1		0.52	5.00	ug/L
1912-24-9	Atrazine	51.5		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	46.5		0.50	5.00	ug/L
120-12-7	Anthracene	45.9		0.61	5.00	ug/L
86-74-8	Carbazole	43.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	54.5		1.20	5.00	ug/L
206-44-0	Fluoranthene	41.9		0.82	5.00	ug/L
129-00-0	Pyrene	42.7		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	60.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	42.7		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.4		0.45	5.00	ug/L
218-01-9	Chrysene	48.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	62.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	54.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.4		0.49	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q2008
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142342.D	1	05/12/25 08:40	05/13/25 13:45	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	50.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	50.8		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	37.1		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	37.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	33.0		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	19.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.3		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.3		15 (10) - 110 (139)	45%	SPK: 150
13127-88-3	Phenol-d6	44.1		15 (10) - 110 (134)	29%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.3		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		15 (44) - 110 (137)	99%	SPK: 150
1718-51-0	Terphenyl-d14	72.6		30 (48) - 130 (125)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	221000	6.904			
1146-65-2	Naphthalene-d8	842000	8.186			
15067-26-2	Acenaphthene-d10	448000	9.945			
1517-22-2	Phenanthrene-d10	725000	11.433			
1719-03-5	Chrysene-d12	408000	14.074			
1520-96-3	Perylene-d12	453000	15.562			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142295.D 5 =BF142296.D 10 =BF142297.D 20 =BF142298.D 40 =BF142299.D 50 =BF142300.D 60 =BF142301.D 80 =BF1423
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.553	0.527	0.535	0.503	0.543	0.521	0.511	0.528	3.36
3)		Pyridine		1.159	1.233	1.210	1.176	1.311	1.312	1.270	1.239	4.99
4)		n-Nitrosodimet...		0.718	0.707	0.729	0.696	0.759	0.726	0.705	0.720	2.88
5)	S	2-Fluorophenol		1.212	1.177	1.211	1.126	1.224	1.165	1.086	1.172	4.35
6)		Aniline		0.955	1.370	1.568	1.467	1.543	1.519	1.472	1.413	15.03
7)	S	Phenol-d6		1.510	1.458	1.489	1.375	1.500	1.419	1.336	1.441	4.64
8)		2-Chlorophenol		1.202	1.223	1.263	1.221	1.346	1.283	1.225	1.252	4.00
9)		Benzaldehyde		1.049	0.959	0.903	0.734	0.752	0.663		0.843	17.74
10)	C	Phenol		1.599	1.528	1.584	1.472	1.580	1.524	1.405	1.527	4.55
11)		bis(2-Chloroet...		1.789	1.543	1.510	1.353	1.516	1.441	1.392	1.506	9.49
12)		1,3-Dichlorobe...		1.555	1.505	1.466	1.347	1.477	1.379	1.298	1.432	6.48
13)	C	1,4-Dichlorobe...		1.562	1.499	1.486	1.364	1.476	1.386	1.294	1.438	6.46
14)		1,2-Dichlorobe...		1.480	1.432	1.415	1.317	1.424	1.340	1.254	1.380	5.71
15)		Benzyl Alcohol		0.816	0.843	0.933	0.928	1.030	1.008	0.972	0.933	8.56
16)		2,2'-oxybis(1-...		2.379	2.310	2.325	2.135	2.341	2.211	2.044	2.249	5.48
17)		2-Methylphenol		1.033	1.008	1.022	0.972	1.070	1.013	0.978	1.014	3.30
18)		Hexachloroethane		0.473	0.464	0.488	0.463	0.511	0.487	0.463	0.478	3.78
19)	P	n-Nitroso-di-n...	0.840	0.943	0.915	0.918	0.860	0.933	0.885	0.837	0.891	4.69
20)		3+4-Methylphenols		1.354	1.281	1.322	1.218	1.333	1.226	1.121	1.265	6.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.505	0.474	0.464	0.416	0.446	0.419	0.389	0.445	8.95
23)	S	Nitrobenzene-d5		0.289	0.304	0.336	0.327	0.360	0.348	0.332	0.328	7.48
24)		Nitrobenzene		0.281	0.293	0.316	0.306	0.337	0.325	0.305	0.309	6.05
25)		Isophorone		0.639	0.623	0.630	0.586	0.648	0.622	0.598	0.621	3.53
26)	C	2-Nitrophenol		0.089	0.097	0.121	0.132	0.154	0.155	0.155	0.129	21.55
27)		2,4-Dimethylph...		0.311	0.314	0.321	0.298	0.329	0.314	0.299	0.312	3.55
28)		bis(2-Chloroet...		0.430	0.414	0.418	0.374	0.408	0.386	0.366	0.399	6.09
29)	C	2,4-Dichloroph...		0.245	0.251	0.278	0.263	0.288	0.274	0.260	0.265	5.71
30)		1,2,4-Trichlor...		0.329	0.309	0.309	0.281	0.304	0.289	0.271	0.299	6.60
31)		Naphthalene		1.102	1.031	1.028	0.906	0.978	0.906	0.835	0.969	9.52
32)		Benzoic acid			0.084	0.117	0.140	0.178	0.186	0.194	0.150	29.22
33)		4-Chloroaniline		0.373	0.373	0.398	0.383	0.435	0.415	0.392	0.396	5.80
34)	C	Hexachlorobuta...		0.188	0.182	0.181	0.168	0.185	0.173	0.162	0.177	5.32
35)		Caprolactam		0.063	0.068	0.078	0.079	0.088	0.083	0.082	0.077	11.39
36)	C	4-Chloro-3-met...		0.281	0.270	0.283	0.265	0.290	0.279	0.262	0.276	3.68
37)		2-Methylnaphth...		0.672	0.636	0.635	0.569	0.615	0.568	0.521	0.602	8.60
38)		1-Methylnaphth...		0.710	0.675	0.665	0.594	0.630	0.587	0.535	0.628	9.59

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.586	0.586	0.515	0.574	0.538	0.512	0.559	6.51
41)	P	Hexachlorocycl...	0.286	0.303	0.349	0.343	0.388	0.379	0.369	0.345	11.16
42)	S	2,4,6-Tribromo...	0.161	0.176	0.198	0.191	0.218	0.210	0.197	0.193	10.16
43)	C	2,4,6-Trichlor...	0.306	0.320	0.360	0.351	0.393	0.371	0.365	0.352	8.53
44)		2,4,5-Trichlor...	0.339	0.353	0.390	0.363	0.413	0.397	0.369	0.375	7.00
45)	S	2-Fluorobiphenyl	1.737	1.605	1.532	1.272	1.337	1.246	1.090	1.403	16.29
46)		1,1'-Biphenyl	1.727	1.641	1.637	1.411	1.567	1.442	1.310	1.533	9.75
47)		2-Chloronaphth...	1.256	1.198	1.193	1.058	1.155	1.106	1.018	1.140	7.40
48)		2-Nitroaniline	0.205	0.240	0.292	0.298	0.344	0.337	0.330	0.292	17.90
49)		Acenaphthylene	2.083	2.025	2.009	1.783	1.958	1.830	1.665	1.908	7.94
50)		Dimethylphthalate	1.338	1.295	1.344	1.210	1.342	1.275	1.186	1.284	5.04
51)		2,6-Dinitrotol...	0.172	0.206	0.242	0.245	0.280	0.273	0.263	0.240	16.19
52)	C	Acenaphthene	1.260	1.191	1.200	1.066	1.180	1.111	1.021	1.147	7.32
53)		3-Nitroaniline	0.206	0.238	0.288	0.286	0.329	0.319	0.307	0.282	15.80
54)	P	2,4-Dinitrophenol		0.062	0.083	0.097	0.120	0.124	0.127	0.102	25.44
55)		Dibenzofuran	1.932	1.790	1.801	1.555	1.711	1.609	1.453	1.693	9.72
56)	P	4-Nitrophenol	0.159	0.178	0.210	0.214	0.253	0.240	0.231	0.212	15.82
57)		2,4-Dinitrotol...	0.222	0.250	0.303	0.318	0.368	0.355	0.341	0.308	17.63
58)		Fluorene	1.521	1.407	1.374	1.195	1.283	1.183	1.080	1.292	11.77
59)		2,3,4,6-Tetrac...	0.266	0.288	0.320	0.305	0.344	0.329	0.314	0.309	8.38
60)		Diethylphthalate	1.344	1.325	1.355	1.207	1.344	1.252	1.151	1.283	6.27
61)		4-Chlorophenyl...	0.699	0.666	0.658	0.577	0.638	0.590	0.535	0.623	9.26
62)		4-Nitroaniline	0.207	0.230	0.248	0.225	0.240	0.219	0.195	0.223	8.23
63)		Azobenzene	1.338	1.271	1.285	1.132	1.270	1.185	1.098	1.226	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.052	0.068	0.081	0.094	0.098	0.101	0.082	23.49
66)	c	n-Nitrosodiphe...	0.704	0.683	0.693	0.629	0.686	0.654	0.610	0.666	5.28
67)		4-Bromophenyl-...	0.230	0.227	0.232	0.216	0.238	0.227	0.217	0.227	3.44
68)		Hexachlorobenzene	0.264	0.246	0.253	0.237	0.258	0.248	0.240	0.249	3.84
69)		Atrazine	0.157	0.165	0.176	0.174	0.196	0.185	0.175	0.175	7.17
70)	C	Pentachlorophenol	0.094	0.109	0.130	0.139	0.153	0.150	0.144	0.131	16.65
71)		Phenanthrene	1.193	1.102	1.105	0.988	1.058	0.987	0.906	1.048	9.14
72)		Anthracene	1.210	1.136	1.134	1.018	1.093	1.023	0.927	1.077	8.77
73)		Carbazole	1.065	1.016	1.024	0.926	0.986	0.911	0.837	0.966	8.17
74)		Di-n-butylphth...	0.957	1.022	1.082	1.013	1.093	1.019	0.928	1.016	5.91
75)	C	Fluoranthene	1.198	1.154	1.128	0.985	1.051	0.956	0.863	1.048	11.46
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.272	0.384	0.358	0.426	0.403	0.337	0.363	15.09
78)		Pyrene	1.822	1.748	1.902	1.705	1.912	1.817	1.555	1.780	6.99
79)	S	Terphenyl-d14	1.493	1.424	1.460	1.255	1.390	1.314	1.123	1.351	9.61
80)		Butylbenzylpht...	0.282	0.330	0.439	0.469	0.545	0.549	0.527	0.449	23.70
81)		Benzo(a)anthra...	1.370	1.299	1.317	1.238	1.354	1.296	1.192	1.295	4.84
82)		3,3'-Dichlorob...	0.250	0.279	0.316	0.296	0.327	0.323	0.317	0.301	9.40
83)		Chrysene	1.294	1.227	1.247	1.104	1.238	1.203	1.128	1.206	5.59
84)		Bis(2-ethylhex...	0.328	0.417	0.557	0.601	0.699	0.716	0.697	0.573	26.35
85)	c	Di-n-octyl pht...		0.586	0.856	1.029	1.242	1.315	1.317	1.057	27.77

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.152	1.281	1.421	1.384	1.596	1.504	1.402	1.391	10.38
88)		Benzo(b)fluora...	1.312	1.216	1.227	1.163	1.263	1.142	1.156	1.211	5.14
89)		Benzo(k)fluora...	1.158	1.142	1.164	1.040	1.172	1.114	0.969	1.109	6.88
90)	C	Benzo(a)pyrene	1.034	1.042	1.102	1.066	1.183	1.119	1.054	1.085	4.88
91)		Dibenzo(a,h)an...	0.987	1.066	1.194	1.137	1.308	1.224	1.129	1.149	9.17
92)		Benzo(g,h,i)pe...	0.971	1.056	1.175	1.120	1.295	1.225	1.143	1.141	9.37

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: BNA_F Calibration Date/Time: 05/13/2025 10:49

Lab File ID: BF142336.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.367		16.6	
Benzaldehyde	0.843	0.753		-10.7	
Phenol-d6	1.441	1.664		15.5	
Phenol	1.531	1.898		24.0	20.0
bis(2-Chloroethyl)ether	1.506	1.507		0.1	
2-Chlorophenol	1.252	1.494		19.3	
2-Methylphenol	1.014	1.200		18.3	
2,2-oxybis(1-Chloropropane)	2.249	2.554		13.6	
Acetophenone	0.445	0.499		12.1	
3+4-Methylphenols	1.265	1.480		17.0	
n-Nitroso-di-n-propylamine	0.891	1.031	0.050	15.7	
Nitrobenzene-d5	0.328	0.407		24.1	
Hexachloroethane	0.478	0.564		18.0	
Nitrobenzene	0.309	0.384		24.3	
Isophorone	0.621	0.722		16.3	
2-Nitrophenol	0.129	0.174		34.9	20.0
2,4-Dimethylphenol	0.312	0.365		17.0	
bis(2-Chloroethoxy)methane	0.399	0.454		13.8	
2,4-Dichlorophenol	0.265	0.324		22.3	20.0
Naphthalene	0.969	1.107		14.2	
4-Chloroaniline	0.395	0.472		19.5	
Hexachlorobutadiene	0.177	0.205		15.8	20.0
Caprolactam	0.077	0.101		31.2	
4-Chloro-3-methylphenol	0.276	0.328		18.8	20.0
2-Methylnaphthalene	0.602	0.684		13.6	
Hexachlorocyclopentadiene	0.345	0.427	0.050	23.8	
2,4,6-Trichlorophenol	0.352	0.428		21.6	20.0
2-Fluorobiphenyl	1.403	1.493		6.4	
2,4,5-Trichlorophenol	0.375	0.463		23.5	
1,1-Biphenyl	1.533	1.716		11.9	
2-Chloronaphthalene	1.140	1.289		13.1	
2-Nitroaniline	0.292	0.387		32.5	
Dimethylphthalate	1.284	1.507		17.4	
Acenaphthylene	1.908	2.144		12.4	
2,6-Dinitrotoluene	0.240	0.324		35.0	
3-Nitroaniline	0.282	0.375		33.0	
Acenaphthene	1.147	1.291		12.6	20.0
2,4-Dinitrophenol	0.102	0.137	0.050	34.3	
4-Nitrophenol	0.212	0.286	0.050	34.9	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: BNA_F Calibration Date/Time: 05/13/2025 10:49

Lab File ID: BF142336.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.907		12.6	
2,4-Dinitrotoluene	0.308	0.427		38.6	
Diethylphthalate	1.283	1.519		18.4	
4-Chlorophenyl-phenylether	0.623	0.707		13.5	
Fluorene	1.292	1.434		11.0	
4-Nitroaniline	0.223	0.278		24.7	
4,6-Dinitro-2-methylphenol	0.082	0.108		31.7	
n-Nitrosodiphenylamine	0.666	0.748		12.3	20.0
2,4,6-Tribromophenol	0.193	0.249		29.0	
4-Bromophenyl-phenylether	0.227	0.262		15.4	
Hexachlorobenzene	0.249	0.290		16.5	
Atrazine	0.175	0.220		25.7	
Pentachlorophenol	0.131	0.173		32.1	20.0
Phenanthrene	1.048	1.171		11.7	
Anthracene	1.077	1.205		11.9	
Carbazole	0.966	1.086		12.4	
Di-n-butylphthalate	1.016	1.242		22.2	
Fluoranthene	1.048	1.170		11.6	20.0
Pyrene	1.780	1.976		11.0	
Terphenyl-d14	1.351	1.483		9.8	
Butylbenzylphthalate	0.449	0.615		37.0	
3,3-Dichlorobenzidine	0.301	0.406		34.9	
Benzo(a)anthracene	1.295	1.500		15.8	
Chrysene	1.206	1.354		12.3	
Bis(2-ethylhexyl)phthalate	0.573	0.764		33.3	
Di-n-octyl phthalate	1.057	1.342		27.0	20.0
Benzo(b)fluoranthene	1.211	1.431		18.2	
Benzo(k)fluoranthene	1.109	1.254		13.1	
Benzo(a)pyrene	1.085	1.300		19.8	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.662		19.5	
Dibenzo(a,h)anthracene	1.149	1.354		17.8	
Benzo(g,h,i)perylene	1.141	1.342		17.6	
1,2,4,5-Tetrachlorobenzene	0.559	0.639		14.3	
1,4-Dioxane	0.528	0.613		16.1	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.387		25.2	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25**			**05/09/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	940 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015833.D	1	05/13/25 08:56	05/13/25 15:54	PB167981

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	251		7.00	53.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	17.1		29 - 130	86%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

WATER DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: JACOBS Engineering Group, Inc.

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF015827.D	82				0
PIBLK-FF015834.D	82				0
PB167981BL	83				0
PB167981BS	101				0
PB167981BSD	99				0
IDW-AQ-DRUM-633-05092025	86				0

	QC LIMITS
TETRACOSANE-d50	For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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Fax : 908 789 8922

WATER DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.

Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008

Matrix Spike - EPA Sample No : PB167981BS **Datafile:** FF015831.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
DRO	200	0	207	104	78-117

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Fax : 908 789 8922

WATER DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.

Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008

Matrix Spike - EPA Sample No : PB167981BSD **Datafile:** FF015832.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
DRO	200	0	203	102	78-117

LCS/LCSD % Recovery RPD : 2.0

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Fax : 908 789 8922

4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167981BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: FF015830.D Lab Sample ID: PB167981BL

Instrument ID: FF Date Extracted: 05/13/2025

Matrix: (soil/water) Water Date Analyzed: 05/13/25

Level: (low/med) low Time Analyzed: 13:22

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167981BS	PB167981BS	FF015831.D	05/13/25
PB167981BSD	PB167981BSD	FF015832.D	05/13/25
IDW-AQ-DRUM-633-05092025	Q2008-01	FF015833.D	05/13/25

COMMENTS:

QC SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167981BL	SDG No.:	Q2008
Lab Sample ID:	PB167981BL	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015830.D	1	05/13/25 08:56	05/13/25 13:22	PB167981

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.5		29 - 130	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/13/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/13/25
Client Sample ID:	PIBLK-FF015827.D	SDG No.:	Q2008
Lab Sample ID:	I.BLK-FF015827.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015827.D	1		05/13/25	FF051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.3		29 - 130	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/13/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/13/25
Client Sample ID:	PIBLK-FF015834.D	SDG No.:	Q2008
Lab Sample ID:	I.BLK-FF015834.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015834.D	1		05/13/25	FF051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.4		29 - 130	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167981BS	SDG No.:	Q2008
Lab Sample ID:	PB167981BS	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015831.D	1	05/13/25 08:56	05/13/25 13:51	PB167981

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	207		6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	20.2		29 - 130	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167981BSD	SDG No.:	Q2008
Lab Sample ID:	PB167981BSD	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015832.D	1	05/13/25 08:56	05/13/25 15:25	PB167981

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	203		6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	19.7		29 - 130	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: JACO05

ProjectID: Former Schlumberger Site Princeton NJ 2025

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Calibration Sequence : FF042225		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	116059922	116060	FF015786.D
500	58079559	116159	FF015787.D
200	21235975	106180	FF015788.D
100	11342548	113425	FF015789.D
50	7274526	145491	FF015790.D
AVG RF : 119463	**% RSD : 12.646**		**AVG RT : 15.02**

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: JACO05

ProjectID: Former Schlumberger Site Princeton NJ 2025

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

DataFile: FF015828.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	63743979	127488	119463	6.718

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: JACO05

ProjectID: Former Schlumberger Site Princeton NJ 2025

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

DataFile: FF015835.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	59789393	119579	119463	0.097

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Analytical Sequence

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Project: Former Schlumberger Site Princeton NJ 2025 **Instrument ID:** FID_F

GC Column: RXI-1MS **ID:** 0.18 **(mm)**

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION **15.02**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	13 May 2025 11:11	FF015827.D	15.020	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 11:40	FF015828.D	15.020	
PB167981BL	PB167981BL	13 May 2025 13:22	FF015830.D	15.018	
PB167981BS	PB167981BS	13 May 2025 13:51	FF015831.D	15.017	
PB167981BSD	PB167981BSD	13 May 2025 15:25	FF015832.D	15.015	
IDW-AQ-DRUM-633-05092025	Q2008-01	13 May 2025 15:54	FF015833.D	15.016	
PIBLK02	I.BLK02	13 May 2025 16:24	FF015834.D	15.021	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 16:53	FF015835.D	15.019	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	14.92	15.12

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LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25**			**05/09/25**
			Mercury	7470A		05/13/25	05/14/25	
			Metals ICP-TAL	6010D		05/12/25	05/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2008 **Order ID:** Q2008

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger Site Princeton NJ 20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : IDW-AQ-DRUM-633-05092025									
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Aluminum	5450		5.67	40.0	50.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Arsenic	2.66	J	2.56	7.50	10.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Barium	104		7.28	12.5	50.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Beryllium	2.42	J	0.28	0.75	3.00	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Calcium	64100		117	250	1000	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Chromium	50.2		1.06	2.50	5.00	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Cobalt	45.4		1.13	3.75	15.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Copper	156		2.30	8.00	10.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Iron	118000		11.7	40.0	50.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Magnesium	16100		122	250	1000	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Manganese	7830		2.97	7.50	10.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Mercury	0.082	J	0.076	0.16	0.20	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Nickel	98.9		1.53	5.00	20.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Potassium	32200		459	800	1000	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Silver	1.92	J	0.81	2.50	5.00	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Sodium	1100000		434	500	1000	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Thallium	5.02	J	2.19	10.0	20.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Vanadium	73.8		3.13	10.0	20.0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	Zinc	518		8.33	7.50	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5450		1	5.67	40.0	50.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-36-0	Antimony	6.25	U	1	3.38	6.25	25.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-38-2	Arsenic	2.66	J	1	2.56	7.50	10.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-39-3	Barium	104		1	7.28	12.5	50.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-41-7	Beryllium	2.42	J	1	0.28	0.75	3.00	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-70-2	Calcium	64100		1	117	250	1000	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-47-3	Chromium	50.2		1	1.06	2.50	5.00	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-48-4	Cobalt	45.4		1	1.13	3.75	15.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-50-8	Copper	156		1	2.30	8.00	10.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7439-89-6	Iron	118000		1	11.7	40.0	50.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7439-92-1	Lead	4.80	U	1	1.15	4.80	6.00	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7439-95-4	Magnesium	16100		1	122	250	1000	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7439-96-5	Manganese	7830		1	2.97	7.50	10.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7439-97-6	Mercury	0.082	JN	1	0.076	0.16	0.20	ug/L	05/13/25 09:49	05/14/25 14:18	7470A	
7440-02-0	Nickel	98.9		1	1.53	5.00	20.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-09-7	Potassium	32200		1	459	800	1000	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-22-4	Silver	1.92	J	1	0.81	2.50	5.00	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-23-5	Sodium	1100000		1	434	500	1000	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-28-0	Thallium	5.02	J	1	2.19	10.0	20.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-62-2	Vanadium	73.8		1	3.13	10.0	20.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010
7440-66-6	Zinc	518		1	8.33	7.50	20.0	ug/L	05/12/25 10:15	05/14/25 15:09	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Cloudy	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV08	Mercury	3.70	4.0	93	90 - 110	CV	05/14/2025	11:42	LB135763

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV22	Mercury	4.97	5.0	100	90 - 110	CV	05/14/2025	11:46	LB135763
CCV23	Mercury	5.44	5.0	109	90 - 110	CV	05/14/2025	12:24	LB135763
CCV24	Mercury	5.50	5.0	110	90 - 110	CV	05/14/2025	12:51	LB135763
CCV25	Mercury	4.82	5.0	96	90 - 110	CV	05/14/2025	13:28	LB135763
CCV26	Mercury	5.14	5.0	103	90 - 110	CV	05/14/2025	13:55	LB135763
CCV27	Mercury	4.71	5.0	94	90 - 110	CV	05/14/2025	14:23	LB135763
CCV28	Mercury	4.80	5.0	96	90 - 110	CV	05/14/2025	14:39	LB135763
CCV29	Mercury	5.15	5.0	103	90 - 110	CV	05/14/2025	14:57	LB135763

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2350	2500	94	90 - 110	P	05/14/2025	13:24	LB135778
	Antimony	990	1000	99	90 - 110	P	05/14/2025	13:24	LB135778
	Arsenic	984	1000	98	90 - 110	P	05/14/2025	13:24	LB135778
	Barium	487	520	94	90 - 110	P	05/14/2025	13:24	LB135778
	Beryllium	497	510	98	90 - 110	P	05/14/2025	13:24	LB135778
	Cadmium	489	510	96	90 - 110	P	05/14/2025	13:24	LB135778
	Calcium	9150	10000	92	90 - 110	P	05/14/2025	13:24	LB135778
	Chromium	508	520	98	90 - 110	P	05/14/2025	13:24	LB135778
	Cobalt	482	520	93	90 - 110	P	05/14/2025	13:24	LB135778
	Copper	504	510	99	90 - 110	P	05/14/2025	13:24	LB135778
	Iron	10300	10000	104	90 - 110	P	05/14/2025	13:24	LB135778
	Lead	962	1000	96	90 - 110	P	05/14/2025	13:24	LB135778
	Magnesium	5880	6000	98	90 - 110	P	05/14/2025	13:24	LB135778
	Manganese	471	520	91	90 - 110	P	05/14/2025	13:24	LB135778
	Nickel	484	530	91	90 - 110	P	05/14/2025	13:24	LB135778
	Potassium	10700	9900	108	90 - 110	P	05/14/2025	13:24	LB135778
	Selenium	1010	1000	101	90 - 110	P	05/14/2025	13:24	LB135778
	Silver	272	250	109	90 - 110	P	05/14/2025	13:24	LB135778
	Sodium	10500	10000	105	90 - 110	P	05/14/2025	13:24	LB135778
	Thallium	1010	1000	101	95 - 105	P	05/14/2025	13:24	LB135778
	Vanadium	460	500	92	90 - 110	P	05/14/2025	13:24	LB135778
	Zinc	1010	1000	101	90 - 110	P	05/14/2025	13:24	LB135778

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	100	100	100	80 - 120	P	05/14/2025	13:34	LB135778
	Antimony	52.2	50.0	104	80 - 120	P	05/14/2025	13:34	LB135778
	Arsenic	19.8	20.0	99	80 - 120	P	05/14/2025	13:34	LB135778
	Barium	92.3	100	92	80 - 120	P	05/14/2025	13:34	LB135778
	Beryllium	6.20	6.0	103	80 - 120	P	05/14/2025	13:34	LB135778
	Cadmium	6.13	6.0	102	80 - 120	P	05/14/2025	13:34	LB135778
	Calcium	2030	2000	102	80 - 120	P	05/14/2025	13:34	LB135778
	Chromium	9.42	10.0	94	80 - 120	P	05/14/2025	13:34	LB135778
	Cobalt	28.7	30.0	96	80 - 120	P	05/14/2025	13:34	LB135778
	Copper	22.6	20.0	113	80 - 120	P	05/14/2025	13:34	LB135778
	Iron	93.7	100	94	80 - 120	P	05/14/2025	13:34	LB135778
	Lead	12.3	12.0	103	80 - 120	P	05/14/2025	13:34	LB135778
	Magnesium	2080	2000	104	80 - 120	P	05/14/2025	13:34	LB135778
	Manganese	20.9	20.0	105	80 - 120	P	05/14/2025	13:34	LB135778
	Nickel	39.1	40.0	98	80 - 120	P	05/14/2025	13:34	LB135778
	Potassium	1890	2000	95	80 - 120	P	05/14/2025	13:34	LB135778
	Selenium	23.4	20.0	117	80 - 120	P	05/14/2025	13:34	LB135778
	Silver	9.52	10.0	95	80 - 120	P	05/14/2025	13:34	LB135778
	Sodium	1880	2000	94	80 - 120	P	05/14/2025	13:34	LB135778
	Thallium	39.9	40.0	100	80 - 120	P	05/14/2025	13:34	LB135778
	Vanadium	40.8	40.0	102	80 - 120	P	05/14/2025	13:34	LB135778
	Zinc	41.6	40.0	104	80 - 120	P	05/14/2025	13:34	LB135778

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9980	10000	100	90 - 110	P	05/14/2025	14:51	LB135778
	Antimony	4930	5000	99	90 - 110	P	05/14/2025	14:51	LB135778
	Arsenic	4860	5000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Barium	9640	10000	96	90 - 110	P	05/14/2025	14:51	LB135778
	Beryllium	243	250	97	90 - 110	P	05/14/2025	14:51	LB135778
	Cadmium	2410	2500	96	90 - 110	P	05/14/2025	14:51	LB135778
	Calcium	24400	25000	98	90 - 110	P	05/14/2025	14:51	LB135778
	Chromium	979	1000	98	90 - 110	P	05/14/2025	14:51	LB135778
	Cobalt	2430	2500	97	90 - 110	P	05/14/2025	14:51	LB135778
	Copper	1230	1250	99	90 - 110	P	05/14/2025	14:51	LB135778
	Iron	4840	5000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Lead	4840	5000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Magnesium	24000	25000	96	90 - 110	P	05/14/2025	14:51	LB135778
	Manganese	2450	2500	98	90 - 110	P	05/14/2025	14:51	LB135778
	Nickel	2430	2500	97	90 - 110	P	05/14/2025	14:51	LB135778
	Potassium	24400	25000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Selenium	4900	5000	98	90 - 110	P	05/14/2025	14:51	LB135778
	Silver	1220	1250	97	90 - 110	P	05/14/2025	14:51	LB135778
	Sodium	24800	25000	99	90 - 110	P	05/14/2025	14:51	LB135778
	Thallium	5040	5000	101	90 - 110	P	05/14/2025	14:51	LB135778
	Vanadium	2470	2500	99	90 - 110	P	05/14/2025	14:51	LB135778
	Zinc	2450	2500	98	90 - 110	P	05/14/2025	14:51	LB135778
CCV02	Aluminum	9710	10000	97	90 - 110	P	05/14/2025	15:53	LB135778
	Antimony	5020	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Arsenic	4980	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Barium	9410	10000	94	90 - 110	P	05/14/2025	15:53	LB135778
	Beryllium	229	250	92	90 - 110	P	05/14/2025	15:53	LB135778
	Cadmium	2430	2500	97	90 - 110	P	05/14/2025	15:53	LB135778
	Calcium	23700	25000	95	90 - 110	P	05/14/2025	15:53	LB135778
	Chromium	977	1000	98	90 - 110	P	05/14/2025	15:53	LB135778
	Cobalt	2440	2500	98	90 - 110	P	05/14/2025	15:53	LB135778
	Copper	1250	1250	100	90 - 110	P	05/14/2025	15:53	LB135778
	Iron	5010	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Lead	4880	5000	98	90 - 110	P	05/14/2025	15:53	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23200	25000	93	90 - 110	P	05/14/2025	15:53	LB135778
	Manganese	2360	2500	94	90 - 110	P	05/14/2025	15:53	LB135778
	Nickel	2440	2500	98	90 - 110	P	05/14/2025	15:53	LB135778
	Potassium	25300	25000	101	90 - 110	P	05/14/2025	15:53	LB135778
	Selenium	5010	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Silver	1210	1250	97	90 - 110	P	05/14/2025	15:53	LB135778
	Sodium	26200	25000	105	90 - 110	P	05/14/2025	15:53	LB135778
	Thallium	5080	5000	102	90 - 110	P	05/14/2025	15:53	LB135778
	Vanadium	2410	2500	96	90 - 110	P	05/14/2025	15:53	LB135778
	Zinc	2450	2500	98	90 - 110	P	05/14/2025	15:53	LB135778
CCV03	Aluminum	9750	10000	98	90 - 110	P	05/14/2025	16:44	LB135778
	Antimony	4910	5000	98	90 - 110	P	05/14/2025	16:44	LB135778
	Arsenic	4820	5000	96	90 - 110	P	05/14/2025	16:44	LB135778
	Barium	9260	10000	93	90 - 110	P	05/14/2025	16:44	LB135778
	Beryllium	240	250	96	90 - 110	P	05/14/2025	16:44	LB135778
	Cadmium	2390	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Calcium	23700	25000	95	90 - 110	P	05/14/2025	16:44	LB135778
	Chromium	988	1000	99	90 - 110	P	05/14/2025	16:44	LB135778
	Cobalt	2400	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Copper	1220	1250	98	90 - 110	P	05/14/2025	16:44	LB135778
	Iron	4820	5000	96	90 - 110	P	05/14/2025	16:44	LB135778
	Lead	4800	5000	96	90 - 110	P	05/14/2025	16:44	LB135778
	Magnesium	23400	25000	94	90 - 110	P	05/14/2025	16:44	LB135778
	Manganese	2350	2500	94	90 - 110	P	05/14/2025	16:44	LB135778
	Nickel	2400	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Potassium	24400	25000	98	90 - 110	P	05/14/2025	16:44	LB135778
	Selenium	4840	5000	97	90 - 110	P	05/14/2025	16:44	LB135778
	Silver	1210	1250	97	90 - 110	P	05/14/2025	16:44	LB135778
	Sodium	25200	25000	101	90 - 110	P	05/14/2025	16:44	LB135778
	Thallium	4970	5000	99	90 - 110	P	05/14/2025	16:44	LB135778
	Vanadium	2400	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Zinc	2450	2500	98	90 - 110	P	05/14/2025	16:44	LB135778
CCV04	Aluminum	9660	10000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Antimony	4880	5000	98	90 - 110	P	05/14/2025	18:08	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4830	5000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Barium	9330	10000	93	90 - 110	P	05/14/2025	18:08	LB135778
	Beryllium	231	250	92	90 - 110	P	05/14/2025	18:08	LB135778
	Cadmium	2420	2500	97	90 - 110	P	05/14/2025	18:08	LB135778
	Calcium	23800	25000	95	90 - 110	P	05/14/2025	18:08	LB135778
	Chromium	995	1000	100	90 - 110	P	05/14/2025	18:08	LB135778
	Cobalt	2420	2500	97	90 - 110	P	05/14/2025	18:08	LB135778
	Copper	1220	1250	98	90 - 110	P	05/14/2025	18:08	LB135778
	Iron	4990	5000	100	90 - 110	P	05/14/2025	18:08	LB135778
	Lead	4840	5000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Magnesium	23400	25000	94	90 - 110	P	05/14/2025	18:08	LB135778
	Manganese	2370	2500	95	90 - 110	P	05/14/2025	18:08	LB135778
	Nickel	2430	2500	97	90 - 110	P	05/14/2025	18:08	LB135778
	Potassium	25000	25000	100	90 - 110	P	05/14/2025	18:08	LB135778
	Selenium	4860	5000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Silver	1220	1250	98	90 - 110	P	05/14/2025	18:08	LB135778
	Sodium	25600	25000	102	90 - 110	P	05/14/2025	18:08	LB135778
	Thallium	4910	5000	98	90 - 110	P	05/14/2025	18:08	LB135778
	Vanadium	2400	2500	96	90 - 110	P	05/14/2025	18:08	LB135778
	Zinc	2460	2500	98	90 - 110	P	05/14/2025	18:08	LB135778
CCV05	Aluminum	9540	10000	95	90 - 110	P	05/14/2025	19:21	LB135778
	Antimony	4830	5000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Arsenic	4790	5000	96	90 - 110	P	05/14/2025	19:21	LB135778
	Barium	9050	10000	90	90 - 110	P	05/14/2025	19:21	LB135778
	Beryllium	233	250	93	90 - 110	P	05/14/2025	19:21	LB135778
	Cadmium	2430	2500	97	90 - 110	P	05/14/2025	19:21	LB135778
	Calcium	23500	25000	94	90 - 110	P	05/14/2025	19:21	LB135778
	Chromium	992	1000	99	90 - 110	P	05/14/2025	19:21	LB135778
	Cobalt	2410	2500	97	90 - 110	P	05/14/2025	19:21	LB135778
	Copper	1200	1250	96	90 - 110	P	05/14/2025	19:21	LB135778
	Iron	4830	5000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Lead	4830	5000	96	90 - 110	P	05/14/2025	19:21	LB135778
	Magnesium	23300	25000	93	90 - 110	P	05/14/2025	19:21	LB135778
	Manganese	2310	2500	92	90 - 110	P	05/14/2025	19:21	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2440	2500	98	90 - 110	P	05/14/2025	19:21	LB135778
	Potassium	24200	25000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Selenium	4850	5000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Silver	1210	1250	97	90 - 110	P	05/14/2025	19:21	LB135778
	Sodium	25000	25000	100	90 - 110	P	05/14/2025	19:21	LB135778
	Thallium	4960	5000	99	90 - 110	P	05/14/2025	19:21	LB135778
	Vanadium	2380	2500	95	90 - 110	P	05/14/2025	19:21	LB135778
	Zinc	2420	2500	97	90 - 110	P	05/14/2025	19:21	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2430	2500	97	90 - 110	P	05/15/2025	13:37	LB135794
	Antimony	991	1000	99	90 - 110	P	05/15/2025	13:37	LB135794
	Arsenic	997	1000	100	90 - 110	P	05/15/2025	13:37	LB135794
	Barium	515	520	99	90 - 110	P	05/15/2025	13:37	LB135794
	Beryllium	480	510	94	90 - 110	P	05/15/2025	13:37	LB135794
	Cadmium	500	510	98	90 - 110	P	05/15/2025	13:37	LB135794
	Calcium	9530	10000	95	90 - 110	P	05/15/2025	13:37	LB135794
	Chromium	506	520	97	90 - 110	P	05/15/2025	13:37	LB135794
	Cobalt	492	520	95	90 - 110	P	05/15/2025	13:37	LB135794
	Copper	508	510	100	90 - 110	P	05/15/2025	13:37	LB135794
	Iron	9530	10000	95	90 - 110	P	05/15/2025	13:37	LB135794
	Lead	989	1000	99	90 - 110	P	05/15/2025	13:37	LB135794
	Magnesium	5580	6000	93	90 - 110	P	05/15/2025	13:37	LB135794
	Manganese	492	520	94	90 - 110	P	05/15/2025	13:37	LB135794
	Nickel	494	530	93	90 - 110	P	05/15/2025	13:37	LB135794
	Potassium	9270	9900	94	90 - 110	P	05/15/2025	13:37	LB135794
	Selenium	1020	1000	102	90 - 110	P	05/15/2025	13:37	LB135794
	Silver	237	250	95	90 - 110	P	05/15/2025	13:37	LB135794
	Sodium	9880	10000	99	90 - 110	P	05/15/2025	13:37	LB135794
	Thallium	1030	1000	103	90 - 110	P	05/15/2025	13:37	LB135794
	Vanadium	474	500	95	90 - 110	P	05/15/2025	13:37	LB135794
	Zinc	1000	1000	100	90 - 110	P	05/15/2025	13:37	LB135794

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	104	100	104	80 - 120	P	05/15/2025	13:42	LB135794
	Antimony	53.7	50.0	107	80 - 120	P	05/15/2025	13:42	LB135794
	Arsenic	23.2	20.0	116	80 - 120	P	05/15/2025	13:42	LB135794
	Barium	95.7	100	96	80 - 120	P	05/15/2025	13:42	LB135794
	Beryllium	5.98	6.0	100	80 - 120	P	05/15/2025	13:42	LB135794
	Cadmium	6.08	6.0	101	80 - 120	P	05/15/2025	13:42	LB135794
	Calcium	2010	2000	100	80 - 120	P	05/15/2025	13:42	LB135794
	Chromium	9.66	10.0	97	80 - 120	P	05/15/2025	13:42	LB135794
	Cobalt	29.2	30.0	97	80 - 120	P	05/15/2025	13:42	LB135794
	Copper	22.6	20.0	113	80 - 120	P	05/15/2025	13:42	LB135794
	Iron	98.5	100	98	80 - 120	P	05/15/2025	13:42	LB135794
	Lead	12.2	12.0	102	80 - 120	P	05/15/2025	13:42	LB135794
	Magnesium	2070	2000	103	80 - 120	P	05/15/2025	13:42	LB135794
	Manganese	20.6	20.0	103	80 - 120	P	05/15/2025	13:42	LB135794
	Nickel	39.6	40.0	99	80 - 120	P	05/15/2025	13:42	LB135794
	Potassium	1960	2000	98	80 - 120	P	05/15/2025	13:42	LB135794
	Selenium	20.1	20.0	100	80 - 120	P	05/15/2025	13:42	LB135794
	Silver	10.2	10.0	102	80 - 120	P	05/15/2025	13:42	LB135794
	Sodium	1890	2000	94	80 - 120	P	05/15/2025	13:42	LB135794
	Thallium	42.6	40.0	106	80 - 120	P	05/15/2025	13:42	LB135794
	Vanadium	38.4	40.0	96	80 - 120	P	05/15/2025	13:42	LB135794
	Zinc	42.8	40.0	107	80 - 120	P	05/15/2025	13:42	LB135794

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9930	10000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Antimony	4920	5000	98	90 - 110	P	05/15/2025	14:18	LB135794
	Arsenic	4990	5000	100	90 - 110	P	05/15/2025	14:18	LB135794
	Barium	9620	10000	96	90 - 110	P	05/15/2025	14:18	LB135794
	Beryllium	252	250	101	90 - 110	P	05/15/2025	14:18	LB135794
	Cadmium	2470	2500	99	90 - 110	P	05/15/2025	14:18	LB135794
	Calcium	24700	25000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Chromium	1010	1000	101	90 - 110	P	05/15/2025	14:18	LB135794
	Cobalt	2490	2500	100	90 - 110	P	05/15/2025	14:18	LB135794
	Copper	1250	1250	100	90 - 110	P	05/15/2025	14:18	LB135794
	Iron	4870	5000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Lead	4990	5000	100	90 - 110	P	05/15/2025	14:18	LB135794
	Magnesium	24100	25000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	14:18	LB135794
	Nickel	2470	2500	99	90 - 110	P	05/15/2025	14:18	LB135794
	Potassium	24200	25000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Selenium	4940	5000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Silver	1240	1250	100	90 - 110	P	05/15/2025	14:18	LB135794
	Sodium	24300	25000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Thallium	4970	5000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Vanadium	2430	2500	97	90 - 110	P	05/15/2025	14:18	LB135794
	Zinc	2530	2500	101	90 - 110	P	05/15/2025	14:18	LB135794
CCV02	Aluminum	9960	10000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Antimony	4950	5000	99	90 - 110	P	05/15/2025	15:05	LB135794
	Arsenic	5050	5000	101	90 - 110	P	05/15/2025	15:05	LB135794
	Barium	9610	10000	96	90 - 110	P	05/15/2025	15:05	LB135794
	Beryllium	249	250	100	90 - 110	P	05/15/2025	15:05	LB135794
	Cadmium	2480	2500	99	90 - 110	P	05/15/2025	15:05	LB135794
	Calcium	24800	25000	99	90 - 110	P	05/15/2025	15:05	LB135794
	Chromium	1010	1000	101	90 - 110	P	05/15/2025	15:05	LB135794
	Cobalt	2510	2500	100	90 - 110	P	05/15/2025	15:05	LB135794
	Copper	1260	1250	101	90 - 110	P	05/15/2025	15:05	LB135794
	Iron	5010	5000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Lead	5030	5000	100	90 - 110	P	05/15/2025	15:05	LB135794

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	05/15/2025	15:05	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	15:05	LB135794
	Nickel	2480	2500	99	90 - 110	P	05/15/2025	15:05	LB135794
	Potassium	24700	25000	99	90 - 110	P	05/15/2025	15:05	LB135794
	Selenium	4980	5000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Silver	1250	1250	100	90 - 110	P	05/15/2025	15:05	LB135794
	Sodium	25000	25000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Thallium	4980	5000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Vanadium	2450	2500	98	90 - 110	P	05/15/2025	15:05	LB135794
	Zinc	2530	2500	101	90 - 110	P	05/15/2025	15:05	LB135794
CCV03	Aluminum	9950	10000	100	90 - 110	P	05/15/2025	15:53	LB135794
	Antimony	4890	5000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Arsenic	4930	5000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Barium	9350	10000	94	90 - 110	P	05/15/2025	15:53	LB135794
	Beryllium	261	250	104	90 - 110	P	05/15/2025	15:53	LB135794
	Cadmium	2430	2500	97	90 - 110	P	05/15/2025	15:53	LB135794
	Calcium	24500	25000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Chromium	995	1000	100	90 - 110	P	05/15/2025	15:53	LB135794
	Cobalt	2460	2500	98	90 - 110	P	05/15/2025	15:53	LB135794
	Copper	1240	1250	99	90 - 110	P	05/15/2025	15:53	LB135794
	Iron	4540	5000	91	90 - 110	P	05/15/2025	15:53	LB135794
	Lead	4930	5000	99	90 - 110	P	05/15/2025	15:53	LB135794
	Magnesium	24100	25000	96	90 - 110	P	05/15/2025	15:53	LB135794
	Manganese	2430	2500	97	90 - 110	P	05/15/2025	15:53	LB135794
	Nickel	2440	2500	98	90 - 110	P	05/15/2025	15:53	LB135794
	Potassium	22700	25000	91	90 - 110	P	05/15/2025	15:53	LB135794
	Selenium	4860	5000	97	90 - 110	P	05/15/2025	15:53	LB135794
	Silver	1220	1250	98	90 - 110	P	05/15/2025	15:53	LB135794
	Sodium	22900	25000	92	90 - 110	P	05/15/2025	15:53	LB135794
	Thallium	4910	5000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Vanadium	2410	2500	96	90 - 110	P	05/15/2025	15:53	LB135794
	Zinc	2460	2500	98	90 - 110	P	05/15/2025	15:53	LB135794
CCV04	Aluminum	9920	10000	99	90 - 110	P	05/15/2025	16:39	LB135794
	Antimony	4830	5000	96	90 - 110	P	05/15/2025	16:39	LB135794

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4930	5000	99	90 - 110	P	05/15/2025	16:39	LB135794
	Barium	9520	10000	95	90 - 110	P	05/15/2025	16:39	LB135794
	Beryllium	251	250	100	90 - 110	P	05/15/2025	16:39	LB135794
	Cadmium	2450	2500	98	90 - 110	P	05/15/2025	16:39	LB135794
	Calcium	24500	25000	98	90 - 110	P	05/15/2025	16:39	LB135794
	Chromium	998	1000	100	90 - 110	P	05/15/2025	16:39	LB135794
	Cobalt	2480	2500	99	90 - 110	P	05/15/2025	16:39	LB135794
	Copper	1240	1250	99	90 - 110	P	05/15/2025	16:39	LB135794
	Iron	4680	5000	94	90 - 110	P	05/15/2025	16:39	LB135794
	Lead	4960	5000	99	90 - 110	P	05/15/2025	16:39	LB135794
	Magnesium	23800	25000	95	90 - 110	P	05/15/2025	16:39	LB135794
	Manganese	2420	2500	97	90 - 110	P	05/15/2025	16:39	LB135794
	Nickel	2440	2500	98	90 - 110	P	05/15/2025	16:39	LB135794
	Potassium	23300	25000	93	90 - 110	P	05/15/2025	16:39	LB135794
	Selenium	4830	5000	97	90 - 110	P	05/15/2025	16:39	LB135794
	Silver	1220	1250	98	90 - 110	P	05/15/2025	16:39	LB135794
	Sodium	23400	25000	94	90 - 110	P	05/15/2025	16:39	LB135794
	Thallium	4890	5000	98	90 - 110	P	05/15/2025	16:39	LB135794
	Vanadium	2420	2500	97	90 - 110	P	05/15/2025	16:39	LB135794
	Zinc	2440	2500	97	90 - 110	P	05/15/2025	16:39	LB135794
CCV05	Aluminum	10100	10000	101	90 - 110	P	05/15/2025	17:27	LB135794
	Antimony	4810	5000	96	90 - 110	P	05/15/2025	17:27	LB135794
	Arsenic	4940	5000	99	90 - 110	P	05/15/2025	17:27	LB135794
	Barium	9330	10000	93	90 - 110	P	05/15/2025	17:27	LB135794
	Beryllium	266	250	106	90 - 110	P	05/15/2025	17:27	LB135794
	Cadmium	2470	2500	99	90 - 110	P	05/15/2025	17:27	LB135794
	Calcium	25300	25000	101	90 - 110	P	05/15/2025	17:27	LB135794
	Chromium	1030	1000	103	90 - 110	P	05/15/2025	17:27	LB135794
	Cobalt	2500	2500	100	90 - 110	P	05/15/2025	17:27	LB135794
	Copper	1240	1250	99	90 - 110	P	05/15/2025	17:27	LB135794
	Iron	4850	5000	97	90 - 110	P	05/15/2025	17:27	LB135794
	Lead	5580	5000	112	90 - 110	P	05/15/2025	17:27	LB135794
	Magnesium	24900	25000	100	90 - 110	P	05/15/2025	17:27	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	17:27	LB135794

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2600	2500	104	90 - 110	P	05/15/2025	17:27	LB135794
	Potassium	23300	25000	93	90 - 110	P	05/15/2025	17:27	LB135794
	Selenium	4820	5000	96	90 - 110	P	05/15/2025	17:27	LB135794
	Silver	1260	1250	101	90 - 110	P	05/15/2025	17:27	LB135794
	Sodium	23600	25000	94	90 - 110	P	05/15/2025	17:27	LB135794
	Thallium	4880	5000	98	90 - 110	P	05/15/2025	17:27	LB135794
	Vanadium	2440	2500	98	90 - 110	P	05/15/2025	17:27	LB135794
	Zinc	7780	2500	311	90 - 110	P	05/15/2025	17:27	LB135794
CCV06	Aluminum	9950	10000	100	90 - 110	P	05/15/2025	17:41	LB135794
	Antimony	4800	5000	96	90 - 110	P	05/15/2025	17:41	LB135794
	Arsenic	4900	5000	98	90 - 110	P	05/15/2025	17:41	LB135794
	Barium	9440	10000	94	90 - 110	P	05/15/2025	17:41	LB135794
	Beryllium	263	250	105	90 - 110	P	05/15/2025	17:41	LB135794
	Cadmium	2470	2500	99	90 - 110	P	05/15/2025	17:41	LB135794
	Calcium	25200	25000	101	90 - 110	P	05/15/2025	17:41	LB135794
	Chromium	1020	1000	102	90 - 110	P	05/15/2025	17:41	LB135794
	Cobalt	2490	2500	100	90 - 110	P	05/15/2025	17:41	LB135794
	Copper	1230	1250	98	90 - 110	P	05/15/2025	17:41	LB135794
	Iron	4860	5000	97	90 - 110	P	05/15/2025	17:41	LB135794
	Lead	5000	5000	100	90 - 110	P	05/15/2025	17:41	LB135794
	Magnesium	24600	25000	99	90 - 110	P	05/15/2025	17:41	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	17:41	LB135794
	Nickel	2460	2500	98	90 - 110	P	05/15/2025	17:41	LB135794
	Potassium	23500	25000	94	90 - 110	P	05/15/2025	17:41	LB135794
	Selenium	4790	5000	96	90 - 110	P	05/15/2025	17:41	LB135794
	Silver	1250	1250	100	90 - 110	P	05/15/2025	17:41	LB135794
	Sodium	23600	25000	95	90 - 110	P	05/15/2025	17:41	LB135794
	Thallium	4950	5000	99	90 - 110	P	05/15/2025	17:41	LB135794
	Vanadium	2450	2500	98	90 - 110	P	05/15/2025	17:41	LB135794
	Zinc	2500	2500	100	90 - 110	P	05/15/2025	17:41	LB135794
CCV07	Aluminum	9840	10000	98	90 - 110	P	05/15/2025	18:47	LB135794
	Antimony	4680	5000	94	90 - 110	P	05/15/2025	18:47	LB135794
	Arsenic	4790	5000	96	90 - 110	P	05/15/2025	18:47	LB135794
	Barium	9280	10000	93	90 - 110	P	05/15/2025	18:47	LB135794

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	262	250	105	90 - 110	P	05/15/2025	18:47	LB135794
	Cadmium	2440	2500	98	90 - 110	P	05/15/2025	18:47	LB135794
	Calcium	25000	25000	100	90 - 110	P	05/15/2025	18:47	LB135794
	Chromium	1030	1000	103	90 - 110	P	05/15/2025	18:47	LB135794
	Cobalt	2460	2500	99	90 - 110	P	05/15/2025	18:47	LB135794
	Copper	1210	1250	97	90 - 110	P	05/15/2025	18:47	LB135794
	Iron	4790	5000	96	90 - 110	P	05/15/2025	18:47	LB135794
	Lead	4940	5000	99	90 - 110	P	05/15/2025	18:47	LB135794
	Magnesium	24600	25000	98	90 - 110	P	05/15/2025	18:47	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	18:47	LB135794
	Nickel	2430	2500	97	90 - 110	P	05/15/2025	18:47	LB135794
	Potassium	23200	25000	93	90 - 110	P	05/15/2025	18:47	LB135794
	Selenium	4640	5000	93	90 - 110	P	05/15/2025	18:47	LB135794
	Silver	1230	1250	99	90 - 110	P	05/15/2025	18:47	LB135794
	Sodium	23200	25000	93	90 - 110	P	05/15/2025	18:47	LB135794
	Thallium	4850	5000	97	90 - 110	P	05/15/2025	18:47	LB135794
	Vanadium	2430	2500	97	90 - 110	P	05/15/2025	18:47	LB135794
	Zinc	2480	2500	99	90 - 110	P	05/15/2025	18:47	LB135794

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.18	0.2	89	70 - 130	CV	05/14/2025	11:54	LB135763
CRI01	Aluminum	91.1	100	91	65 - 135	P	05/14/2025	13:43	LB135778
	Antimony	50.6	50.0	101	65 - 135	P	05/14/2025	13:43	LB135778
	Arsenic	19.9	20.0	99	65 - 135	P	05/14/2025	13:43	LB135778
	Barium	85.9	100	86	65 - 135	P	05/14/2025	13:43	LB135778
	Beryllium	5.80	6.0	97	65 - 135	P	05/14/2025	13:43	LB135778
	Cadmium	6.01	6.0	100	65 - 135	P	05/14/2025	13:43	LB135778
	Calcium	1910	2000	95	65 - 135	P	05/14/2025	13:43	LB135778
	Chromium	9.05	10.0	90	65 - 135	P	05/14/2025	13:43	LB135778
	Cobalt	29.0	30.0	97	65 - 135	P	05/14/2025	13:43	LB135778
	Copper	22.3	20.0	112	65 - 135	P	05/14/2025	13:43	LB135778
	Iron	93.3	100	93	65 - 135	P	05/14/2025	13:43	LB135778
	Lead	11.1	12.0	92	65 - 135	P	05/14/2025	13:43	LB135778
	Magnesium	1970	2000	98	65 - 135	P	05/14/2025	13:43	LB135778
	Manganese	19.4	20.0	97	65 - 135	P	05/14/2025	13:43	LB135778
	Nickel	38.8	40.0	97	65 - 135	P	05/14/2025	13:43	LB135778
	Potassium	1920	2000	96	65 - 135	P	05/14/2025	13:43	LB135778
	Selenium	22.6	20.0	113	65 - 135	P	05/14/2025	13:43	LB135778
	Silver	9.49	10.0	95	65 - 135	P	05/14/2025	13:43	LB135778
	Sodium	1890	2000	94	65 - 135	P	05/14/2025	13:43	LB135778
	Thallium	39.1	40.0	98	65 - 135	P	05/14/2025	13:43	LB135778
	Vanadium	38.4	40.0	96	65 - 135	P	05/14/2025	13:43	LB135778
	Zinc	42.2	40.0	106	65 - 135	P	05/14/2025	13:43	LB135778
CRI01	Aluminum	102	100	102	65 - 135	P	05/15/2025	13:51	LB135794
	Antimony	52.8	50.0	106	65 - 135	P	05/15/2025	13:51	LB135794
	Arsenic	21.4	20.0	107	65 - 135	P	05/15/2025	13:51	LB135794
	Barium	94.3	100	94	65 - 135	P	05/15/2025	13:51	LB135794
	Beryllium	5.81	6.0	97	65 - 135	P	05/15/2025	13:51	LB135794
	Cadmium	6.05	6.0	101	65 - 135	P	05/15/2025	13:51	LB135794
	Calcium	2010	2000	100	65 - 135	P	05/15/2025	13:51	LB135794
	Chromium	9.78	10.0	98	65 - 135	P	05/15/2025	13:51	LB135794
	Cobalt	29.2	30.0	97	65 - 135	P	05/15/2025	13:51	LB135794
	Copper	22.2	20.0	111	65 - 135	P	05/15/2025	13:51	LB135794
	Iron	104	100	104	65 - 135	P	05/15/2025	13:51	LB135794
	Lead	12.3	12.0	102	65 - 135	P	05/15/2025	13:51	LB135794

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2060	2000	103	65 - 135	P	05/15/2025	13:51	LB135794
	Manganese	20.4	20.0	102	65 - 135	P	05/15/2025	13:51	LB135794
	Nickel	39.1	40.0	98	65 - 135	P	05/15/2025	13:51	LB135794
	Potassium	1920	2000	96	65 - 135	P	05/15/2025	13:51	LB135794
	Selenium	22.4	20.0	112	65 - 135	P	05/15/2025	13:51	LB135794
	Silver	10.1	10.0	101	65 - 135	P	05/15/2025	13:51	LB135794
	Sodium	1880	2000	94	65 - 135	P	05/15/2025	13:51	LB135794
	Thallium	42.5	40.0	106	65 - 135	P	05/15/2025	13:51	LB135794
	Vanadium	38.1	40.0	95	65 - 135	P	05/15/2025	13:51	LB135794
	Zinc	42.5	40.0	106	65 - 135	P	05/15/2025	13:51	LB135794

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB08	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	11:44	LB135763

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB22	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	11:51	LB135763
CCB23	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	12:26	LB135763
CCB24	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	12:54	LB135763
CCB25	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	13:30	LB135763
CCB26	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	13:57	LB135763
CCB27	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	14:25	LB135763
CCB28	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	14:41	LB135763
CCB29	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/14/2025	14:59	LB135763

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	05/14/2025	13:38	LB135778
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/14/2025	13:38	LB135778
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	13:38	LB135778
	Barium	100	+/-100	U	25.0	100	P	05/14/2025	13:38	LB135778
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	13:38	LB135778
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	13:38	LB135778
	Calcium	2000	+/-2000	U	500	2000	P	05/14/2025	13:38	LB135778
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	13:38	LB135778
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/14/2025	13:38	LB135778
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	13:38	LB135778
	Iron	100	+/-100	U	80.0	100	P	05/14/2025	13:38	LB135778
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/14/2025	13:38	LB135778
	Magnesium	2000	+/-2000	U	500	2000	P	05/14/2025	13:38	LB135778
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	13:38	LB135778
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/14/2025	13:38	LB135778
	Potassium	2000	+/-2000	U	1600	2000	P	05/14/2025	13:38	LB135778
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	13:38	LB135778
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	13:38	LB135778
	Sodium	2000	+/-2000	U	1000	2000	P	05/14/2025	13:38	LB135778
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	13:38	LB135778
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	13:38	LB135778
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/14/2025	13:38	LB135778

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	05/14/2025	14:56	LB135778
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/14/2025	14:56	LB135778
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	14:56	LB135778
	Barium	100	+/-100	U	25.0	100	P	05/14/2025	14:56	LB135778
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	14:56	LB135778
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	14:56	LB135778
	Calcium	2000	+/-2000	U	500	2000	P	05/14/2025	14:56	LB135778
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	14:56	LB135778
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/14/2025	14:56	LB135778
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	14:56	LB135778
	Iron	100	+/-100	U	80.0	100	P	05/14/2025	14:56	LB135778
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/14/2025	14:56	LB135778
	Magnesium	2000	+/-2000	U	500	2000	P	05/14/2025	14:56	LB135778
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	14:56	LB135778
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/14/2025	14:56	LB135778
	Potassium	2000	+/-2000	U	1600	2000	P	05/14/2025	14:56	LB135778
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	14:56	LB135778
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	14:56	LB135778
	Sodium	2000	+/-2000	U	1000	2000	P	05/14/2025	14:56	LB135778
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	14:56	LB135778
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	14:56	LB135778
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/14/2025	14:56	LB135778
CCB02	Aluminum	100	+/-100	U	80.0	100	P	05/14/2025	15:57	LB135778
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/14/2025	15:57	LB135778
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	15:57	LB135778
	Barium	100	+/-100	U	25.0	100	P	05/14/2025	15:57	LB135778
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	15:57	LB135778
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	15:57	LB135778
	Calcium	2000	+/-2000	U	500	2000	P	05/14/2025	15:57	LB135778
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	15:57	LB135778
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/14/2025	15:57	LB135778
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	15:57	LB135778
	Iron	100	+/-100	U	80.0	100	P	05/14/2025	15:57	LB135778
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/14/2025	15:57	LB135778
	Magnesium	2000	+/-2000	U	500	2000	P	05/14/2025	15:57	LB135778
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	15:57	LB135778
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/14/2025	15:57	LB135778
	Potassium	2000	+/-2000	U	1600	2000	P	05/14/2025	15:57	LB135778
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	15:57	LB135778

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	15:57	LB135778
	Sodium	2000	+/-2000	U	1000	2000	P	05/14/2025	15:57	LB135778
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	15:57	LB135778
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	15:57	LB135778
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/14/2025	15:57	LB135778
CCB03	Aluminum	15.4	+/-100	J	80.0	100	P	05/14/2025	16:48	LB135778
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/14/2025	16:48	LB135778
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	16:48	LB135778
	Barium	100	+/-100	U	25.0	100	P	05/14/2025	16:48	LB135778
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	16:48	LB135778
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	16:48	LB135778
	Calcium	2000	+/-2000	U	500	2000	P	05/14/2025	16:48	LB135778
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	16:48	LB135778
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/14/2025	16:48	LB135778
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	16:48	LB135778
	Iron	100	+/-100	U	80.0	100	P	05/14/2025	16:48	LB135778
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/14/2025	16:48	LB135778
	Magnesium	2000	+/-2000	U	500	2000	P	05/14/2025	16:48	LB135778
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	16:48	LB135778
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/14/2025	16:48	LB135778
	Potassium	2000	+/-2000	U	1600	2000	P	05/14/2025	16:48	LB135778
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	16:48	LB135778
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	16:48	LB135778
	Sodium	2000	+/-2000	U	1000	2000	P	05/14/2025	16:48	LB135778
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	16:48	LB135778
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	16:48	LB135778
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/14/2025	16:48	LB135778
CCB04	Aluminum	100	+/-100	U	80.0	100	P	05/14/2025	18:12	LB135778
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/14/2025	18:12	LB135778
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	18:12	LB135778
	Barium	100	+/-100	U	25.0	100	P	05/14/2025	18:12	LB135778
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	18:12	LB135778
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	18:12	LB135778
	Calcium	2000	+/-2000	U	500	2000	P	05/14/2025	18:12	LB135778
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	18:12	LB135778
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/14/2025	18:12	LB135778
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	18:12	LB135778
	Iron	100	+/-100	U	80.0	100	P	05/14/2025	18:12	LB135778
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/14/2025	18:12	LB135778

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	05/14/2025	18:12	LB135778
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	18:12	LB135778
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/14/2025	18:12	LB135778
	Potassium	2000	+/-2000	U	1600	2000	P	05/14/2025	18:12	LB135778
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	18:12	LB135778
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	18:12	LB135778
	Sodium	2000	+/-2000	U	1000	2000	P	05/14/2025	18:12	LB135778
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	18:12	LB135778
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	18:12	LB135778
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/14/2025	18:12	LB135778
CCB05	Aluminum	100	+/-100	U	80.0	100	P	05/14/2025	19:25	LB135778
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/14/2025	19:25	LB135778
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	19:25	LB135778
	Barium	100	+/-100	U	25.0	100	P	05/14/2025	19:25	LB135778
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	19:25	LB135778
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/14/2025	19:25	LB135778
	Calcium	2000	+/-2000	U	500	2000	P	05/14/2025	19:25	LB135778
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	19:25	LB135778
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/14/2025	19:25	LB135778
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	19:25	LB135778
	Iron	100	+/-100	U	80.0	100	P	05/14/2025	19:25	LB135778
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/14/2025	19:25	LB135778
	Magnesium	2000	+/-2000	U	500	2000	P	05/14/2025	19:25	LB135778
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/14/2025	19:25	LB135778
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/14/2025	19:25	LB135778
	Potassium	2000	+/-2000	U	1600	2000	P	05/14/2025	19:25	LB135778
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/14/2025	19:25	LB135778
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/14/2025	19:25	LB135778
	Sodium	2000	+/-2000	U	1000	2000	P	05/14/2025	19:25	LB135778
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	19:25	LB135778
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/14/2025	19:25	LB135778
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/14/2025	19:25	LB135778

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	05/15/2025	13:47	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	13:47	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	13:47	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	13:47	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	13:47	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	13:47	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	13:47	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	13:47	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	13:47	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	13:47	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	13:47	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	13:47	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	13:47	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	13:47	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	13:47	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	13:47	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	13:47	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	13:47	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	13:47	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	13:47	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	13:47	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	13:47	LB135794

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	05/15/2025	14:22	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	14:22	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	14:22	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	14:22	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	14:22	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	14:22	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	14:22	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	14:22	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	14:22	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	14:22	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	14:22	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	14:22	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	14:22	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	14:22	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	14:22	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	14:22	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	14:22	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	14:22	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	14:22	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	14:22	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	14:22	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	14:22	LB135794
CCB02	Aluminum	13.0	+/-100	J	80.0	100	P	05/15/2025	15:09	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	15:09	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	15:09	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	15:09	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	15:09	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	15:09	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	15:09	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	15:09	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	15:09	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	15:09	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	15:09	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	15:09	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	15:09	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	15:09	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	15:09	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	15:09	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	15:09	LB135794

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	15:09	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	15:09	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	15:09	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	15:09	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	15:09	LB135794
CCB03	Aluminum	22.1	+/-100	J	80.0	100	P	05/15/2025	15:57	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	15:57	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	15:57	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	15:57	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	15:57	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	15:57	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	15:57	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	15:57	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	15:57	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	15:57	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	15:57	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	15:57	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	15:57	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	15:57	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	15:57	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	15:57	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	15:57	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	15:57	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	15:57	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	15:57	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	15:57	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	15:57	LB135794
CCB04	Aluminum	100	+/-100	U	80.0	100	P	05/15/2025	16:44	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	16:44	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	16:44	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	16:44	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	16:44	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	16:44	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	16:44	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	16:44	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	16:44	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	16:44	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	16:44	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	16:44	LB135794

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	16:44	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	16:44	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	16:44	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	16:44	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	16:44	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	16:44	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	16:44	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	16:44	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	16:44	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	16:44	LB135794
CCB05	Aluminum	100	+/-100	U	80.0	100	P	05/15/2025	17:31	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	17:31	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	17:31	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	17:31	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	17:31	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	17:31	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	17:31	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	17:31	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	17:31	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	17:31	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	17:31	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	17:31	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	17:31	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	17:31	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	17:31	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	17:31	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	17:31	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	17:31	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	17:31	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	17:31	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	17:31	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	17:31	LB135794
CCB06	Aluminum	100	+/-100	U	80.0	100	P	05/15/2025	17:56	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	17:56	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	17:56	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	17:56	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	17:56	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	17:56	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	17:56	LB135794

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	17:56	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	17:56	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	17:56	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	17:56	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	17:56	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	17:56	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	17:56	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	17:56	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	17:56	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	17:56	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	17:56	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	17:56	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	17:56	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	17:56	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	17:56	LB135794
CCB07	Aluminum	100	+/-100	U	80.0	100	P	05/15/2025	18:52	LB135794
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/15/2025	18:52	LB135794
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	18:52	LB135794
	Barium	100	+/-100	U	25.0	100	P	05/15/2025	18:52	LB135794
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	18:52	LB135794
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/15/2025	18:52	LB135794
	Calcium	2000	+/-2000	U	500	2000	P	05/15/2025	18:52	LB135794
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	18:52	LB135794
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/15/2025	18:52	LB135794
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	18:52	LB135794
	Iron	100	+/-100	U	80.0	100	P	05/15/2025	18:52	LB135794
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/15/2025	18:52	LB135794
	Magnesium	2000	+/-2000	U	500	2000	P	05/15/2025	18:52	LB135794
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/15/2025	18:52	LB135794
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/15/2025	18:52	LB135794
	Potassium	2000	+/-2000	U	1600	2000	P	05/15/2025	18:52	LB135794
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/15/2025	18:52	LB135794
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/15/2025	18:52	LB135794
	Sodium	2000	+/-2000	U	1000	2000	P	05/15/2025	18:52	LB135794
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	18:52	LB135794
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/15/2025	18:52	LB135794
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/15/2025	18:52	LB135794

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Metals
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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167980BL		**WATER**		**Batch Number:**		**PB167980**		**Prep Date:**	**05/13/2025**	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	05/14/2025	13:53	LB135763

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Metals
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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167955BL		**WATER**		**Batch Number:**		**PB167955**		**Prep Date:**	**05/12/2025**	
	Aluminum	50.0	<50.0	U	40.0	50.0	P	05/14/2025	18:25	LB135778
	Antimony	25.0	<25.0	U	6.25	25.0	P	05/14/2025	18:25	LB135778
	Arsenic	10.0	<10.0	U	7.50	10.0	P	05/14/2025	18:25	LB135778
	Barium	50.0	<50.0	U	12.5	50.0	P	05/14/2025	18:25	LB135778
	Beryllium	3.00	<3.00	U	0.75	3.00	P	05/14/2025	18:25	LB135778
	Cadmium	3.00	<3.00	U	0.75	3.00	P	05/14/2025	18:25	LB135778
	Calcium	1000	<1000	U	250	1000	P	05/14/2025	18:25	LB135778
	Chromium	5.00	<5.00	U	2.50	5.00	P	05/14/2025	18:25	LB135778
	Cobalt	15.0	<15.0	U	3.75	15.0	P	05/14/2025	18:25	LB135778
	Copper	10.0	<10.0	U	8.00	10.0	P	05/14/2025	18:25	LB135778
	Iron	50.0	<50.0	U	40.0	50.0	P	05/14/2025	18:25	LB135778
	Lead	6.00	<6.00	U	4.80	6.00	P	05/14/2025	18:25	LB135778
	Magnesium	1000	<1000	U	250	1000	P	05/14/2025	18:25	LB135778
	Manganese	10.0	<10.0	U	7.50	10.0	P	05/14/2025	18:25	LB135778
	Nickel	20.0	<20.0	U	5.00	20.0	P	05/14/2025	18:25	LB135778
	Potassium	1000	<1000	U	800	1000	P	05/14/2025	18:25	LB135778
	Selenium	10.0	<10.0	U	8.00	10.0	P	05/14/2025	18:25	LB135778
	Silver	5.00	<5.00	U	2.50	5.00	P	05/14/2025	18:25	LB135778
	Sodium	1000	<1000	U	500	1000	P	05/14/2025	18:25	LB135778
	Thallium	20.0	<20.0	U	10.0	20.0	P	05/14/2025	18:25	LB135778
	Vanadium	20.0	<20.0	U	10.0	20.0	P	05/14/2025	18:25	LB135778
	Zinc	20.0	<20.0	U	7.50	20.0	P	05/14/2025	18:25	LB135778

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	234000	255000	92	216000	294000	05/14/2025	14:09	LB135778
	Antimony	-3.07			-50	50	05/14/2025	14:09	LB135778
	Arsenic	4.85			-20	20	05/14/2025	14:09	LB135778
	Barium	1.76	6.0	29	-94	106	05/14/2025	14:09	LB135778
	Beryllium	1.12			-6	6	05/14/2025	14:09	LB135778
	Cadmium	-3.09	1.0	309	-5	7	05/14/2025	14:09	LB135778
	Calcium	218000	245000	89	208000	282000	05/14/2025	14:09	LB135778
	Chromium	52.2	52.0	100	42	62	05/14/2025	14:09	LB135778
	Cobalt	0.31			-30	30	05/14/2025	14:09	LB135778
	Copper	0.58	2.0	29	-18	22	05/14/2025	14:09	LB135778
	Iron	93300	101000	92	85600	116500	05/14/2025	14:09	LB135778
	Lead	0.26			-12	12	05/14/2025	14:09	LB135778
	Magnesium	228000	255000	89	216000	294000	05/14/2025	14:09	LB135778
	Manganese	3.08	7.0	44	-13	27	05/14/2025	14:09	LB135778
	Nickel	1.20	2.0	60	-38	42	05/14/2025	14:09	LB135778
	Potassium	22.4			0	0	05/14/2025	14:09	LB135778
	Selenium	-3.16			-20	20	05/14/2025	14:09	LB135778
	Silver	0.95			-10	10	05/14/2025	14:09	LB135778
	Sodium	71.8			0	0	05/14/2025	14:09	LB135778
	Thallium	6.83			-40	40	05/14/2025	14:09	LB135778
	Vanadium	0.97			-40	40	05/14/2025	14:09	LB135778
	Zinc	3.75			-40	40	05/14/2025	14:09	LB135778
ICSAB01	Aluminum	236000	247000	96	209000	285000	05/14/2025	14:16	LB135778
	Antimony	592	618	96	525	711	05/14/2025	14:16	LB135778
	Arsenic	108	104	104	88.4	120	05/14/2025	14:16	LB135778
	Barium	442	537	82	437	637	05/14/2025	14:16	LB135778
	Beryllium	446	495	90	420	570	05/14/2025	14:16	LB135778
	Cadmium	933	972	96	826	1120	05/14/2025	14:16	LB135778
	Calcium	219000	235000	93	199000	271000	05/14/2025	14:16	LB135778
	Chromium	525	542	97	460	624	05/14/2025	14:16	LB135778
	Cobalt	463	476	97	404	548	05/14/2025	14:16	LB135778
	Copper	468	511	92	434	588	05/14/2025	14:16	LB135778
	Iron	94500	99300	95	84400	114500	05/14/2025	14:16	LB135778
	Lead	46.1	49.0	94	37	61	05/14/2025	14:16	LB135778
	Magnesium	230000	248000	93	210000	286000	05/14/2025	14:16	LB135778
	Manganese	446	507	88	430	584	05/14/2025	14:16	LB135778
	Nickel	916	954	96	810	1100	05/14/2025	14:16	LB135778
	Potassium	-47.9			0	0	05/14/2025	14:16	LB135778
	Selenium	40.7	46.0	88	26	66	05/14/2025	14:16	LB135778
	Silver	203	201	101	170	232	05/14/2025	14:16	LB135778
	Sodium	-147			0	0	05/14/2025	14:16	LB135778
	Thallium	104	108	96	68	148	05/14/2025	14:16	LB135778

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	445	491	91	417	565	05/14/2025	14:16	LB135778
	Zinc	981	952	103	809	1095	05/14/2025	14:16	LB135778
ICSA01	Aluminum	232000	255000	91	216000	294000	05/15/2025	14:01	LB135794
	Antimony	-2.73			-50	50	05/15/2025	14:01	LB135794
	Arsenic	5.60			-20	20	05/15/2025	14:01	LB135794
	Barium	2.71	6.0	45	-94	106	05/15/2025	14:01	LB135794
	Beryllium	1.30			-6	6	05/15/2025	14:01	LB135794
	Cadmium	-3.02	1.0	302	-5	7	05/15/2025	14:01	LB135794
	Calcium	220000	245000	90	208000	282000	05/15/2025	14:01	LB135794
	Chromium	52.3	52.0	101	42	62	05/15/2025	14:01	LB135794
	Cobalt	1.23			-30	30	05/15/2025	14:01	LB135794
	Copper	-2.10	2.0	105	-18	22	05/15/2025	14:01	LB135794
	Iron	93300	101000	92	85600	116500	05/15/2025	14:01	LB135794
	Lead	1.30			-12	12	05/15/2025	14:01	LB135794
	Magnesium	231000	255000	91	216000	294000	05/15/2025	14:01	LB135794
	Manganese	7.39	7.0	106	-13	27	05/15/2025	14:01	LB135794
	Nickel	1.31	2.0	66	-38	42	05/15/2025	14:01	LB135794
	Potassium	3.65			0	0	05/15/2025	14:01	LB135794
	Selenium	-5.78			-20	20	05/15/2025	14:01	LB135794
	Silver	-0.091			-10	10	05/15/2025	14:01	LB135794
	Sodium	-5.99			0	0	05/15/2025	14:01	LB135794
	Thallium	6.40			-40	40	05/15/2025	14:01	LB135794
	Vanadium	1.49			-40	40	05/15/2025	14:01	LB135794
	Zinc	3.33			-40	40	05/15/2025	14:01	LB135794
ICSAB01	Aluminum	231000	247000	94	209000	285000	05/15/2025	14:05	LB135794
	Antimony	574	618	93	525	711	05/15/2025	14:05	LB135794
	Arsenic	107	104	103	88.4	120	05/15/2025	14:05	LB135794
	Barium	449	537	84	437	637	05/15/2025	14:05	LB135794
	Beryllium	448	495	90	420	570	05/15/2025	14:05	LB135794
	Cadmium	951	972	98	826	1120	05/15/2025	14:05	LB135794
	Calcium	220000	235000	94	199000	271000	05/15/2025	14:05	LB135794
	Chromium	525	542	97	460	624	05/15/2025	14:05	LB135794
	Cobalt	470	476	99	404	548	05/15/2025	14:05	LB135794
	Copper	453	511	89	434	588	05/15/2025	14:05	LB135794
	Iron	93800	99300	94	84400	114500	05/15/2025	14:05	LB135794
	Lead	45.4	49.0	93	37	61	05/15/2025	14:05	LB135794
	Magnesium	231000	248000	93	210000	286000	05/15/2025	14:05	LB135794
	Manganese	454	507	90	430	584	05/15/2025	14:05	LB135794
	Nickel	924	954	97	810	1100	05/15/2025	14:05	LB135794
	Potassium	-15.5			0	0	05/15/2025	14:05	LB135794
	Selenium	37.6	46.0	82	26	66	05/15/2025	14:05	LB135794
	Silver	214	201	106	170	232	05/15/2025	14:05	LB135794

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	-57.9			0	0	05/15/2025	14:05	LB135794
	Thallium	104	108	96	68	148	05/15/2025	14:05	LB135794
	Vanadium	442	491	90	417	565	05/15/2025	14:05	LB135794
	Zinc	965	952	101	809	1095	05/15/2025	14:05	LB135794

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2008

contract: JACO05 **lab code:** CHEM **case no.:** Q2008 **sas no.:** Q2008

matrix: Water **sample id:** Q1985-01 **client id:** RW8-BW-20250507MS

Percent Solids for Sample: NA **Spiked ID:** Q1985-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	967		24.0	J	1000	94		P
Antimony	ug/L	88 - 113	384		25.0	U	400	96		P
Arsenic	ug/L	87 - 113	394		10.0	U	400	98		P
Barium	ug/L	88 - 113	95.0		50.0	U	100	95		P
Beryllium	ug/L	89 - 112	90.9		3.00	U	100	91		P
Cadmium	ug/L	88 - 113	99.0		3.00	U	100	99		P
Calcium	ug/L	87 - 113	1880		1380		500	100		P
Chromium	ug/L	90 - 113	199		2.48	J	200	98		P
Cobalt	ug/L	89 - 114	98.0		15.0	U	100	98		P
Copper	ug/L	86 - 114	140		10.0	U	150	93		P
Iron	ug/L	87 - 115	2170		678		1500	99		P
Lead	ug/L	86 - 113	471		6.00	U	500	94		P
Magnesium	ug/L	85 - 113	2250		1330		1000	92		P
Manganese	ug/L	90 - 114	170		52.0		100	118	N	P
Nickel	ug/L	88 - 113	241		20.0	U	250	96		P
Potassium	ug/L	86 - 114	351000		333000		5000	359		P
Selenium	ug/L	83 - 114	916		10.0	U	1000	92		P
Silver	ug/L	84 - 115	29.9		5.00	U	37.5	80	N	P
Sodium	ug/L	87 - 115	48000		44800		1500	217		P
Thallium	ug/L	85 - 114	905		20.0	U	1000	90		P
Vanadium	ug/L	90 - 111	141		20.0	U	150	94		P
Zinc	ug/L	87 - 115	101		20.0	U	100	101		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2008

contract: JACO05 **lab code:** CHEM **case no.:** Q2008 **sas no.:** Q2008

matrix: Water **sample id:** Q1985-01 **client id:** RW8-BW-20250507MSD

Percent Solids for Sample: NA **Spiked ID:** Q1985-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	962		24.0	J	1000	94		P
Antimony	ug/L	88 - 113	381		25.0	U	400	95		P
Arsenic	ug/L	87 - 113	391		10.0	U	400	98		P
Barium	ug/L	88 - 113	93.2		50.0	U	100	93		P
Beryllium	ug/L	89 - 112	92.2		3.00	U	100	92		P
Cadmium	ug/L	88 - 113	98.3		3.00	U	100	98		P
Calcium	ug/L	87 - 113	1840		1380		500	92		P
Chromium	ug/L	90 - 113	198		2.48	J	200	98		P
Cobalt	ug/L	89 - 114	97.2		15.0	U	100	97		P
Copper	ug/L	86 - 114	138		10.0	U	150	92		P
Iron	ug/L	87 - 115	2140		678		1500	97		P
Lead	ug/L	86 - 113	469		6.00	U	500	94		P
Magnesium	ug/L	85 - 113	2220		1330		1000	89		P
Manganese	ug/L	90 - 114	113		52.0		100	61	N	P
Nickel	ug/L	88 - 113	238		20.0	U	250	95		P
Potassium	ug/L	86 - 114	343000		333000		5000	207		P
Selenium	ug/L	83 - 114	915		10.0	U	1000	92		P
Silver	ug/L	84 - 115	29.3		5.00	U	37.5	78	N	P
Sodium	ug/L	87 - 115	46900		44800		1500	141		P
Thallium	ug/L	85 - 114	895		20.0	U	1000	90		P
Vanadium	ug/L	90 - 111	139		20.0	U	150	93		P
Zinc	ug/L	87 - 115	100		20.0	U	100	100		P

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2008

contract: JACO05 **lab code:** CHEM **case no.:** Q2008 **sas no.:** Q2008

matrix: Water **sample id:** Q2008-01 **client id:** IDW-AQ-DRUM-633-05092025MS

Percent Solids for Sample: NA **Spiked ID:** Q2008-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.56		0.082	J	4.0	87		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2008

contract: JACO05 **lab code:** CHEM **case no.:** Q2008 **sas no.:** Q2008

matrix: Water **sample id:** Q2008-01 **client id:** IDW-AQ-DRUM-633-05092025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2008-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.25		0.082	J	4.0	79	N	CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Matrix: Water **Level:** LOW **Client ID:** RW8-BW-20250507A

Sample ID: Q1985-01 **Spiked ID:** Q1985-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	ug/L	90 - 114	140		52.0		100	88	N	P
Silver	ug/L	84 - 115	25.3		5.00	U	37.5	68	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Matrix: Water **Level:** LOW **Client ID:** IDW-AQ-DRUM-633-05092025A

Sample ID: Q2008-01 **Spiked ID:** Q2008-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.86		0.082	J	4.00	94		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Matrix: Water **Sample ID:** Q1985-01 **Client ID:** RW8-BW-20250507DUP

Percent Solids for Sample: NA **Duplicate ID** Q1985-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	24.0	J	31.0	J	25		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	1380		1390		1		P
Chromium	ug/L	20	2.48	J	2.47	J	0		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	678		687		1		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	1330		1320		1		P
Manganese	ug/L	20	52.0		18.7		94	*	P
Nickel	ug/L	20	20.0	U	20.0	U			P
Potassium	ug/L	20	333000		344000		3		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	44800		46000		3		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	20.0	U	20.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Matrix: Water **Sample ID:** Q1985-01MS **Client ID:** RW8-BW-20250507MSD

Percent Solids for Sample: NA **Duplicate ID** Q1985-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	967		962		1		P
Antimony	ug/L	20	384		381		1		P
Arsenic	ug/L	20	394		391		1		P
Barium	ug/L	20	95.0		93.2		2		P
Beryllium	ug/L	20	90.9		92.2		1		P
Cadmium	ug/L	20	99.0		98.3		1		P
Calcium	ug/L	20	1880		1840		2		P
Chromium	ug/L	20	199		198		1		P
Cobalt	ug/L	20	98.0		97.2		1		P
Copper	ug/L	20	140		138		1		P
Iron	ug/L	20	2170		2140		1		P
Lead	ug/L	20	471		469		0		P
Magnesium	ug/L	20	2250		2220		1		P
Manganese	ug/L	20	170		113		40	*	P
Nickel	ug/L	20	241		238		1		P
Potassium	ug/L	20	351000		343000		2		P
Selenium	ug/L	20	916		915		0		P
Silver	ug/L	20	29.9		29.3		2		P
Sodium	ug/L	20	48000		46900		2		P
Thallium	ug/L	20	905		895		1		P
Vanadium	ug/L	20	141		139		1		P
Zinc	ug/L	20	101		100		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Matrix: Water **Sample ID:** Q2008-01 **Client ID:** IDW-AQ-DRUM-633-05092025DUP

Percent Solids for Sample: NA **Duplicate ID** Q2008-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.082	J	0.20	U	200.0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Matrix: Water **Sample ID:** Q2008-01MS **Client ID:** IDW-AQ-DRUM-633-05092025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2008-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.56		3.25		9		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167955BS							
Aluminum	ug/L	1000	914		91	80 - 120	P
Antimony	ug/L	400	382		96	80 - 120	P
Arsenic	ug/L	400	382		96	80 - 120	P
Barium	ug/L	100	107		107	80 - 120	P
Beryllium	ug/L	100	96.5		96	80 - 120	P
Cadmium	ug/L	100	97.5		98	80 - 120	P
Calcium	ug/L	500	461	J	92	80 - 120	P
Chromium	ug/L	200	190		95	80 - 120	P
Cobalt	ug/L	100	94.5		94	80 - 120	P
Copper	ug/L	150	145		97	80 - 120	P
Iron	ug/L	1500	1400		93	80 - 120	P
Lead	ug/L	500	473		95	80 - 120	P
Magnesium	ug/L	1000	872	J	87	80 - 120	P
Manganese	ug/L	100	92.3		92	80 - 120	P
Nickel	ug/L	250	240		96	80 - 120	P
Potassium	ug/L	5000	4550		91	80 - 120	P
Selenium	ug/L	1000	973		97	80 - 120	P
Silver	ug/L	37.5	34.3		92	80 - 120	P
Sodium	ug/L	1500	1330		89	80 - 120	P
Thallium	ug/L	1000	968		97	80 - 120	P
Vanadium	ug/L	150	139		93	80 - 120	P
Zinc	ug/L	100	94.6		95	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167980BS							
Mercury	ug/L	4.0	3.71		93	82 - 119	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-BW-20250507L

Lab Name: Chemtech Consulting Group **Contract:** JACO05

Lab Code: CHEM **Lb No.:** lb135794 **Lab Sample ID :** Q1985-01L **SDG No.:** Q2008

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	24.0	J	47.8	J	99		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	1380		1330	J	4		P
Chromium	2.48	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	10.0	U	50.0	U			P
Iron	678		612		10		P
Lead	6.00	U	30.0	U			P
Magnesium	1330		1270	J	5		P
Manganese	52.0		49.6	J	5		P
Nickel	20.0	U	100	U			P
Potassium	333000		304000		9		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	44800		40500		10		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	20.0	U	100	U			P

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ICP SERIAL DILUTIONS

SAMPLE NO.

IDW-AQ-DRUM-633-05092025L

Lab Name: Chemtech Consulting Group **Contract:** JACO05

Lab Code: CHEM **Lb No.:** lb135763 **Lab Sample ID :** Q2008-01L **SDG No.:** Q2008

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.082	J	1.00	U	100.0		CV

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Method:**

Case No.: Q2008 **SAS No.:** Q2008

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167955**						
PB167955BL	PB167955BL	MB	WATER	05/12/2025	50.0	25.0	
PB167955BS	PB167955BS	LCS	WATER	05/12/2025	50.0	25.0	
Q1985-01DUP	RW8-BW-20250507DUP	DUP	WATER	05/12/2025	50.0	25.0	
Q1985-01MS	RW8-BW-20250507MS	MS	WATER	05/12/2025	50.0	25.0	
Q1985-01MSD	RW8-BW-20250507MSD	MSD	WATER	05/12/2025	50.0	25.0	
Q2008-01	IDW-AQ-DRUM-633-05092025	SAM	WATER	05/12/2025	50.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Method:**

Case No.: Q2008 **SAS No.:** Q2008

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167980**						
PB167980BL	PB167980BL	MB	WATER	05/13/2025	30.0	30.0	
PB167980BS	PB167980BS	LCS	WATER	05/13/2025	30.0	30.0	
Q2008-01	IDW-AQ-DRUM-633-05092025	SAM	WATER	05/13/2025	30.0	30.0	
Q2008-01DUP	IDW-AQ-DRUM-633-05092025DUP	DUP	WATER	05/13/2025	30.0	30.0	
Q2008-01MS	IDW-AQ-DRUM-633-05092025MS	MS	WATER	05/13/2025	30.0	30.0	
Q2008-01MSD	IDW-AQ-DRUM-633-05092025MSD	MSD	WATER	05/13/2025	30.0	30.0	

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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: CHEM **Case no.:** Q2008 **Sas no.:** Q2008 **Sdg no.:** Q2008

Instrument id number: **Method:** **Run number:** LB135763

Start date: 05/14/2025 **End date:** 05/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1127	HG
S0.2	S0.2	1	1130	HG
S2.5	S2.5	1	1132	HG
S5	S5	1	1134	HG
S7.5	S7.5	1	1136	HG
S10	S10	1	1139	HG
ICV08	ICV08	1	1142	HG
ICB08	ICB08	1	1144	HG
CCV22	CCV22	1	1146	HG
CCB22	CCB22	1	1151	HG
CRA	CRA	1	1154	HG
CCV23	CCV23	1	1224	HG
CCB23	CCB23	1	1226	HG
CCV24	CCV24	1	1251	HG
CCB24	CCB24	1	1254	HG
CCV25	CCV25	1	1328	HG
CCB25	CCB25	1	1330	HG
PB167980BL	PB167980BL	1	1353	HG
CCV26	CCV26	1	1355	HG
CCB26	CCB26	1	1357	HG
PB167980BS	PB167980BS	1	1400	HG
Q2008-01	IDW-AQ-DRUM-633-05092025	1	1418	HG
Q2008-01DUP	IDW-AQ-DRUM-633-05092025	1	1420	HG
CCV27	CCV27	1	1423	HG
CCB27	CCB27	1	1425	HG
Q2008-01MS	IDW-AQ-DRUM-633-05092025	1	1427	HG
Q2008-01MSD	IDW-AQ-DRUM-633-05092025	1	1429	HG
CCV28	CCV28	1	1439	HG
CCB28	CCB28	1	1441	HG
Q2008-01L	IDW-AQ-DRUM-633-05092025	5	1452	HG
Q2008-01A	IDW-AQ-DRUM-633-05092025	1	1455	HG
CCV29	CCV29	1	1457	HG
CCB29	CCB29	1	1459	HG

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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: CHEM **Case no.:** Q2008 **Sas no.:** Q2008 **Sdg no.:** Q2008

Instrument id number: **Method:** **Run number:** LB135778

Start date: 05/14/2025 **End date:** 05/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1212	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1229	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1233	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1324	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1334	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1338	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1416	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2008-01	IDW-AQ-DRUM-633-05092025	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1648	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1808	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1812	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167955BL	PB167955BL	1	1825	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167955BS	PB167955BS	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1921	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1925	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: CHEM **Case no.:** Q2008 **Sas no.:** Q2008 **Sdg no.:** Q2008

Instrument id number: **Method:** **Run number:** LB135794

Start date: 05/15/2025 **End date:** 05/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1324	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1329	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1347	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1351	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1422	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1985-01DUP	RW8-BW-20250507DUP	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1985-01L	RW8-BW-20250507L	5	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1985-01MS	RW8-BW-20250507MS	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1985-01MSD	RW8-BW-20250507MSD	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1985-01A	RW8-BW-20250507A	1	1610	Ag,Mn
CCV04	CCV04	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1756	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1847	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1852	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25 12:30**			**05/09/25**
			Flash Point	1010B			05/14/25 09:30	
			pH	9040C			05/12/25 15:30	
Q2008-03	**IDW-AQ-DRUM-633-05092025**	**WATER**			**05/09/25 12:30**			**05/09/25**
			pH	9040C			05/16/25 14:10	

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25 12:30
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Flash Point	>212		1	0	0	o F		05/14/25 09:30	1010B
pH	2.06	H	1	0	0	pH		05/12/25 15:30	9040C

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25 12:30
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	2.03	H	1	0	0	pH		05/16/25 14:10	9040C

Comments: pH result reported at temperature 20.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Project: Former Schlumberger Site Princeton NJ 2025 **RunNo.:** LB135743

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.01	7	100	90-110	05/12/2025
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	05/12/2025
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	05/12/2025

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Initial and Continuing Calibration Verification

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2008
Project:	Former Schlumberger Site Princeton NJ 2025	**RunNo.:**	LB135765

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	83.9	81	104	78-84	05/14/2025

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Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Project: Former Schlumberger Site Princeton NJ 2025 **RunNo.:** LB135801

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.01	7	100	90-110	05/16/2025
Sample ID: **CCV1**						
pH	pH	2.01	2.00	101	90-110	05/16/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	05/16/2025

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Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2008
Project: Former Schlumberger Site Princeton NJ 2025
Sample ID: Q2008-01
Client ID: IDW-AQ-DRUM-633-05092025DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	2.06		2.07		1	0.48		05/12/2025
Flash Point	o F	+/-2	>212.0		>212.0		1	0		05/14/2025

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Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2008
Project: Former Schlumberger Site Princeton NJ 2025
Sample ID: Q2008-03
Client ID: IDW-AQ-DRUM-633-05092025 DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	2.03		2.04		1	0.49		05/16/2025