



Matrix Type: WATER

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EG050F: Hexavalent Chromium - Filtered						
EG050F: Hexavalent Chromium - Filtered - (QC Lot: 48183)				mg/L	mg/L	%
ES0501612-001	DUP 2	Hexavalent Chromium	1.00 mg/L	<1.00	<1.00	0.0
EK055G: Ammonia as N by Discrete Analyser						
EK055G: Ammonia as N by Discrete Analyser - (QC Lot: 49081)				mg/L	mg/L	%
ES0501599-004	Anonymous	Ammonia as N	0.010 mg/L	0.702	0.660	6.2
ES0501612-004	MW16 S	Ammonia as N	0.010 mg/L	0.135	0.130	3.8
EK059G: NOX as N by Discrete Analyser						
EK059G: NOX as N by Discrete Analyser - (QC Lot: 48198)				mg/L	mg/L	%
ES0501599-001	Anonymous	Nitrite + Nitrate as N	0.010 mg/L	0.010	<0.010	0.0
ES0501612-001	DUP 2	Nitrite + Nitrate as N	0.010 mg/L	0.065	0.059	9.7
EK061: Total Kjeldahl Nitrogen (TKN)						
EK061: Total Kjeldahl Nitrogen (TKN) - (QC Lot: 48379)				mg/L	mg/L	%
ES0501596-001	Anonymous	Total Kjeldahl Nitrogen as N	0.1 mg/L	0.3	0.3	0.0
ES0501596-010	Anonymous	Total Kjeldahl Nitrogen as N	0.1 mg/L	0.1	0.1	0.0
EK061: Total Kjeldahl Nitrogen (TKN) - (QC Lot: 48381)				mg/L	mg/L	%
ES0501616-001	Anonymous	Total Kjeldahl Nitrogen as N	0.1 mg/L	1.1	1.3	16.5
EP005: Total Organic Carbon (TOC)						
EP005: Total Organic Carbon (TOC) - (QC Lot: 48111)				mg/L	mg/L	%
ES0501595-001	Anonymous	Total Organic Carbon	1 mg/L	179	178	0.6
ES0501612-008	MW12 S	Total Organic Carbon	1 mg/L	11	11	0.0
EP026: Chemical Oxygen Demand (COD)						
EP026: Chemical Oxygen Demand (COD) - (QC Lot: 48592)				mg/L	mg/L	%
ES0501612-001	DUP 2	Chemical Oxygen Demand	5 mg/L	60	60	0.0
EP030: Biochemical Oxygen Demand (BOD)						
EP030: Biochemical Oxygen Demand (BOD) - (QC Lot: 48143)				mg/L	mg/L	%
ES0501595-001	Anonymous	Biochemical Oxygen Demand	2 mg/L	53	50	5.8
ES0501612-008	MW12 S	Biochemical Oxygen Demand	2 mg/L	<2	<2	0.0



Client : SINCLAIR KNIGHT MERZ
Project : - Not provided -

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Laboratory Duplicates (DUP) Report

Matrix Type: WATER

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074A: Monocyclic Aromatic Hydrocarbons						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 49205)						
ES0501580-006	Anonymous	Benzene	5 µg/L	<5	<5	0.0
		Toluene	5 µg/L	12	12	0.0
		Ethylbenzene	5 µg/L	<5	<5	0.0
		meta- & para-Xylene	5 µg/L	<5	<5	0.0
		Styrene	5 µg/L	<5	<5	0.0
		ortho-Xylene	5 µg/L	<5	<5	0.0
		Isopropylbenzene	5 µg/L	<5	<5	0.0
		n-Propylbenzene	5 µg/L	<5	<5	0.0
		1,3,5-Trimethylbenzene	5 µg/L	<5	<5	0.0
		sec-Butylbenzene	5 µg/L	<5	<5	0.0
		1,2,4-Trimethylbenzene	5 µg/L	<5	<5	0.0
		tert-Butylbenzene	5 µg/L	<5	<5	0.0
		p-Isopropyltoluene	5 µg/L	<5	<5	0.0
		n-Butylbenzene	5 µg/L	<5	<5	0.0
		ES0501610-006	Anonymous	Benzene	5 µg/L	<5
Toluene	5 µg/L			<5	<5	0.0
Ethylbenzene	5 µg/L			<5	<5	0.0
meta- & para-Xylene	5 µg/L			<5	<5	0.0
Styrene	5 µg/L			<5	<5	0.0
ortho-Xylene	5 µg/L			<5	<5	0.0
Isopropylbenzene	5 µg/L			<5	<5	0.0
n-Propylbenzene	5 µg/L			<5	<5	0.0
1,3,5-Trimethylbenzene	5 µg/L			<5	<5	0.0
sec-Butylbenzene	5 µg/L			<5	<5	0.0
1,2,4-Trimethylbenzene	5 µg/L			<5	<5	0.0
tert-Butylbenzene	5 µg/L			<5	<5	0.0
p-Isopropyltoluene	5 µg/L			<5	<5	0.0
n-Butylbenzene	5 µg/L			<5	<5	0.0
EP074B: Oxygenated Compounds						
EP074B: Oxygenated Compounds - (QC Lot: 49205)						
ES0501580-006	Anonymous	Vinyl Acetate	50 µg/L	<50	<50	0.0
		2-Butanone (MEK)	50 µg/L	<50	<50	0.0
		4-Methyl-2-pentanone (MIBK)	50 µg/L	<50	<50	0.0
		2-Hexanone (MBK)	50 µg/L	<50	<50	0.0
ES0501610-006	Anonymous	Vinyl Acetate	50 µg/L	<50	<50	0.0
		2-Butanone (MEK)	50 µg/L	340	<50	148
		4-Methyl-2-pentanone (MIBK)	50 µg/L	<50	<50	0.0
		2-Hexanone (MBK)	50 µg/L	<50	<50	0.0

Client : SINCLAIR KNIGHT MERZ
Project : - Not provided -

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ALS Environmental
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Matrix Type: WATER

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074C: Sulfonated Compounds						
EP074C: Sulfonated Compounds - (QC Lot: 49205)						
ES0501580-006	Anonymous	Carbon disulfide	5 µg/L	<5	<5	0.0
ES0501610-006	Anonymous	Carbon disulfide	5 µg/L	<5	<5	0.0
EP074D: Fumigants						
EP074D: Fumigants - (QC Lot: 49205)						
ES0501580-006	Anonymous	2,2-Dichloropropane	5 µg/L	<5	<5	0.0
		1,2-Dichloropropane	5 µg/L	<5	<5	0.0
		dis-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		trans-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		1,2-Dibromoethane (EDB)	5 µg/L	<5	<5	0.0
ES0501610-006	Anonymous	2,2-Dichloropropane	5 µg/L	<5	<5	0.0
		1,2-Dichloropropane	5 µg/L	12	12	0.0
		dis-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		trans-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		1,2-Dibromoethane (EDB)	5 µg/L	<5	<5	0.0



Matrix Type: WATER

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074E: Halogenated Aliphatic Compounds						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 49205)						
ES0501580-006	Anonymous	Dichlorodifluoromethane	50 µg/L	<50	<50	0.0
		Chloromethane	50 µg/L	<50	<50	0.0
		Vinyl chloride	50 µg/L	<50	<50	0.0
		Bromomethane	50 µg/L	<50	<50	0.0
		Chloroethane	50 µg/L	<50	<50	0.0
		Trichlorofluoromethane	50 µg/L	<50	<50	0.0
		1,1-Dichloroethene	5 µg/L	<5	<5	0.0
		Iodomethane	5 µg/L	<5	<5	0.0
		trans-1,2-Dichloroethene	5 µg/L	<5	<5	0.0
		1,1-Dichloroethane	5 µg/L	<5	<5	0.0
		cis-1,2-Dichloroethene	5 µg/L	<5	<5	0.0
		1,1,1-Trichloroethane	5 µg/L	<5	<5	0.0
		1,1-Dichloropropylene	5 µg/L	<5	<5	0.0
		Carbon Tetrachloride	5 µg/L	<5	<5	0.0
		1,2-Dichloroethane	5 µg/L	<5	<5	0.0
		Trichloroethene	5 µg/L	<5	<5	0.0
		Dibromomethane	5 µg/L	<5	<5	0.0
		1,1,2-Trichloroethane	5 µg/L	<5	<5	0.0
		1,3-Dichloropropane	5 µg/L	<5	<5	0.0
		Tetrachloroethene	5 µg/L	<5	<5	0.0
		1,1,1,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		trans-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		cis-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		1,1,2,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		1,2,3-Trichloropropane	5 µg/L	<5	<5	0.0
		Pentachloroethane	5 µg/L	<5	<5	0.0
		1,2-Dibromo-3-chloropropane	5 µg/L	<5	<5	0.0
		Hexachlorobutadiene	5 µg/L	<5	<5	0.0
ES0501610-006	Anonymous	Dichlorodifluoromethane	50 µg/L	<50	<50	0.0
		Chloromethane	50 µg/L	<50	<50	0.0
		Vinyl chloride	50 µg/L	<50	<50	0.0
		Bromomethane	50 µg/L	<50	<50	0.0
		Chloroethane	50 µg/L	<50	<50	0.0
		Trichlorofluoromethane	50 µg/L	<50	<50	0.0
		1,1-Dichloroethene	5 µg/L	10	10	0.0
		Iodomethane	5 µg/L	<5	<5	0.0
		trans-1,2-Dichloroethene	5 µg/L	13	13	0.0
		1,1-Dichloroethane	5 µg/L	<5	<5	0.0

Client : SINCLAIR KNIGHT MERZ
Project : - Not provided -

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Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
ES0501610-006	Anonymous	cis-1,2-Dichloroethene	5 µg/L	1240	1250	0.5
		1,1,1-Trichloroethane	5 µg/L	<5	<5	0.0
		1,1-Dichloropropylene	5 µg/L	<5	<5	0.0
		Carbon Tetrachloride	5 µg/L	<5	<5	0.0
		1,2-Dichloroethane	5 µg/L	<5	<5	0.0
		Trichloroethene	5 µg/L	1500	1500	0.4
		Dibromomethane	5 µg/L	<5	<5	0.0
		1,1,2-Trichloroethane	5 µg/L	<5	<5	0.0
		1,3-Dichloropropane	5 µg/L	<5	<5	0.0
		Tetrachloroethene	5 µg/L	<5	<5	0.0
		1,1,1,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		trans-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		cis-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		1,1,2,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		1,2,3-Trichloropropane	5 µg/L	<5	<5	0.0
		Pentachloroethane	5 µg/L	<5	<5	0.0
		1,2-Dibromo-3-chloropropane	5 µg/L	<5	<5	0.0
		Hexachlorobutadiene	5 µg/L	<5	<5	0.0
EP074F: Halogenated Aromatic Compounds						
ES0501580-006	Anonymous	Chlorobenzene	5 µg/L	<5	<5	0.0
		Bromobenzene	5 µg/L	<5	<5	0.0
		2-Chlorotoluene	5 µg/L	<5	<5	0.0
		4-Chlorotoluene	5 µg/L	<5	<5	0.0
		1,3-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,4-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,2-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,2,4-Trichlorobenzene	5 µg/L	<5	<5	0.0
		1,2,3-Trichlorobenzene	5 µg/L	<5	<5	0.0
ES0501610-006	Anonymous	Chlorobenzene	5 µg/L	<5	<5	0.0
		Bromobenzene	5 µg/L	<5	<5	0.0
		2-Chlorotoluene	5 µg/L	<5	<5	0.0
		4-Chlorotoluene	5 µg/L	<5	<5	0.0
		1,3-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,4-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,2-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,2,4-Trichlorobenzene	5 µg/L	<5	<5	0.0
		1,2,3-Trichlorobenzene	5 µg/L	<5	<5	0.0



Client : SINCLAIR KNIGHT MERZ
Project : - Not provided -

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Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074G: Trihalomethanes						
EP074G: Trihalomethanes - (QC Lot: 49205)						
ES0501580-006	Anonymous	Chloroform	5 µg/L	20	20	0.0
		Bromodichloromethane	5 µg/L	<5	<5	0.0
		Dibromochloromethane	5 µg/L	<5	<5	0.0
		Bromoform	5 µg/L	<5	<5	0.0
ES0501610-006	Anonymous	Chloroform	5 µg/L	<5	<5	0.0
		Bromodichloromethane	5 µg/L	32	31	0.0
		Dibromochloromethane	5 µg/L	<5	<5	0.0
		Bromoform	5 µg/L	<5	<5	0.0
EP074H: Naphthalene						
EP074H: Naphthalene - (QC Lot: 49205)						
ES0501580-006	Anonymous	Naphthalene	5 µg/L	<7	<5	33.3
ES0501610-006	Anonymous	Naphthalene	5 µg/L	<5	<5	0.0
EP080/071: Total Petroleum Hydrocarbons						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 48263)						
ES0501599-003	Anonymous	C6 - C9 Fraction	20 µg/L	<20	<20	0.0
ES0501599-014	Anonymous	C6 - C9 Fraction	20 µg/L	<20	<20	0.0
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 49206)						
ES0501580-006	Anonymous	C6 - C9 Fraction	20 µg/L	30	30	0.0
ES0501610-006	Anonymous	C6 - C9 Fraction	20 µg/L	1440	1400	2.6



Matrix Type: WATER

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP080: BTEX						
EP080: BTEX - (QC Lot: 48263)						
ES0501599-003	Anonymous	Benzene	1 µg/L	<1	<1	0.0
		Toluene	2 µg/L	<2	<2	0.0
		Ethylbenzene	2 µg/L	<2	<2	0.0
		meta- & para-Xylene	2 µg/L	<2	<2	0.0
		ortho-Xylene	2 µg/L	<2	<2	0.0
ES0501599-014	Anonymous	Benzene	1 µg/L	<1	<1	0.0
		Toluene	2 µg/L	<2	<2	0.0
		Ethylbenzene	2 µg/L	<2	<2	0.0
		meta- & para-Xylene	2 µg/L	<2	<2	0.0
		ortho-Xylene	2 µg/L	<2	<2	0.0
EP080: BTEX - (QC Lot: 49206)						
ES0501580-006	Anonymous	Benzene	1 µg/L	<1	<1	0.0
		Toluene	2 µg/L	12	12	0.0
		Ethylbenzene	2 µg/L	<2	<2	0.0
		meta- & para-Xylene	2 µg/L	2	2	0.0
		ortho-Xylene	2 µg/L	<2	<2	0.0
ES0501610-006	Anonymous	Benzene	1 µg/L	<1	<1	0.0
		Toluene	2 µg/L	<2	<2	0.0
		Ethylbenzene	2 µg/L	<2	<2	0.0
		meta- & para-Xylene	2 µg/L	<2	<2	0.0
		ortho-Xylene	2 µg/L	<2	<2	0.0

Quality Control Report - Method Blank (MB) and Laboratory Control Samples (LCS)

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC type is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a known, interference free matrix spiked with target analytes or certified reference material. The purpose of this QC type is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of actual laboratory data. Abbreviations: LOR = Limit of

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Method Blank (MB) and Laboratory Control Samples (LCS) Report

Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery LCS	Dynamic Recovery Limits	
					Low	High
ED093F: Dissolved Major Cations						
ED093F: Dissolved Major Cations - (QC Lot: 48928)						
Calcium	1 mg/L	mg/L	mg/L	%	%	%
		----	50	102	70	130
	1 mg/L	<1	----		----	----
Magnesium	1 mg/L	mg/L	mg/L	%	%	%
		----	50	102	70	130
	1 mg/L	<1	----	----	----	----
EG020F: Dissolved Metals by ICP-MS						
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 48383)						
Arsenic	0.001 mg/L	mg/L	mg/L	%	%	%
		<0.001	----	----	----	----
	0.001 mg/L	----	0.1	92.5	70	130
Cadmium	0.0001 mg/L	<0.0001	----	----	----	----
	0.0001 mg/L	----	0.1	101	70	130
Copper	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	93.0	70	130
Lead	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	103	70	130
Nickel	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	94.3	70	130
Zinc	0.005 mg/L	<0.005	----	----	----	----
	0.005 mg/L	----	0.1	87.3	70	130
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 48385)						
Arsenic	0.001 mg/L	mg/L	mg/L	%	%	%
		<0.001	----	----	----	----
	0.001 mg/L	----	0.1	103	70	130
Cadmium	0.0001 mg/L	<0.0001	----	----	----	----
	0.0001 mg/L	----	0.1	100	70	130
Copper	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	103	70	130
Lead	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	104	70	130
Nickel	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	107	70	130
Zinc	0.005 mg/L	<0.005	----	----	----	----
	0.005 mg/L	----	0.1	104	70	130