

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

San Lorenzo Valley Water District
13060 Highway 9
Boulder Creek, CA 95006-9119
Attention: Nate Gillespie
Fax: 831-338-8002

Date of Issue
07/23/2021



**EUROFINS EATON
ANALYTICAL, LLC**

UMVN: Monica Van Natta
Project Manager

Report: 945485
Project: SLVWD
Group: VOC



Utah ELCP CA00006

* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.

* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.

* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.

* Test results relate only to the sample(s) tested.

* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).

* This report shall not be reproduced except in full, without the written approval of the laboratory.

* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA000062018
California	2813	New Hampshire *	2959
Colorado	Certified	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	Certified
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	18-005R	Oregon *	CA200003-005
Hawaii	Certified	Pennsylvania *	68-565
Idaho	Certified	Puerto Rico	Certified
Illinois *	200033	Rhode Island	LAO00326
Indiana	C-CA-01	South Carolina	87016
Iowa - Asbestos	413	South Dakota	Certified
Kansas *	E-10268	Tennessee	TN02839
Kentucky	90107	Texas *	T104704230-18-15
Louisiana *	LA180000	Utah (Primary AB) *	CA00006
Maine	CA0006	Vermont	VT0114
Maryland	224	Virginia *	460260
Commonwealth of Northern Marianas Is.	MP0004	Washington	C838
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/A2LA.
Refer to Certificate and scope of accreditation (5890) found at: <https://www.eurofinsus.com/Eaton>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 200.8	x		x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EEA/Agilent 521.1 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Pollutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalart (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-S ⁻ D		x	
Sulfite	SM 4500-SO ³ B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

Acknowledgement of Samples Received

Addr: **San Lorenzo Valley Water District**
13060 Highway 9
Boulder Creek, CA 95006-9119

Client ID: SANLORENZO
Folder #: 945485
Project: SLVWD
Sample Group: VOC

Attn: Nate Gillespie
Phone: 831-216-9019

Project Manager: Monica Van Natta
Phone: 559-797-1931

The following samples were received from you on **July 09, 2021 at 1506**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
<u>202107120150</u>	814 Creek Drive Water Trax ID: 3BCA2 @VOASDWA C	07/08/2021 0910
<u>202107120151</u>	Trip Blank C @VOASDWA TB C	07/08/2021 0910

Test Description

@VOASDWA C -- Volatile Organics by GCMS
@VOASDWA TB C -- Volatile Organics by GCMS



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

412485

Eaton Analytical

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = Ce30A Observation = 3.4 °C (Corr. Factor = 0.2 °C) (Final = 3.2 °C)

TYPE OF ICE: Real ☒ Synthetic ☒ No Ice ☒

CONDITION OF ICE: Frozen ☒ Partially Frozen ☐ Thawed ☐ N/A ☐

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx ☒ UPS / DHL / Area Fast / Top Line / Other: ☐

IR# 5062 0902 7192

Compliance Acceptance Criteria:

- 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)
- 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥ 10°C if received on ice the same day as sample collection, within 8 hours)
- 3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)	2 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)
3 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)	4 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)

4 DioxIn (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

- 5) pH Check. Manufacturer: _____ Lot Number: _____ pH strip type: 0 - 14 or _____ Expiration Date: _____ Results: _____
- 6) Chlorine check. Manufacturer: Sansafe. Lot No.: _____ Expiration Date: _____ Results: _____

VOA and Radon Headspace: ☐ No Samples with Headspace: ☐ Samples with Headspace (see below): ☐

Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)

Exempt from headspace concerns: Method 815-4, HAA(8251,552), 505, SPME, @CH, 532LCMS, 556, 536, AnatoxIn, LCMS methods using 40 ml vials, International clients:

Samp ID	Bottle #	None/<6	>6mm	Samp ID	Bottle #	None/<6	>6mm

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): _____

RECEIVED BY:	PRINT NAME	COMPANY/TITLE	DATE	TIME
<u>pan</u>	<u>y. Williams</u>	Eurofins Eaton Analytical	<u>7-21</u>	<u>1506</u>

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Laboratory Comments

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District
Nate Gillespie
13060 Highway 9
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Tel: (626) 386-1100
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Laboratory Hits

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District
Nate Gillespie
13060 Highway 9
Boulder Creek, CA 95006-9119

Samples Received on:
07/09/2021 1506

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	202107120150	<u>814 Creek Drive</u>				
07/20/2021 18:49	Bromodichloromethane		5.8		ug/L	0.50
07/20/2021 18:49	Chlorodibromomethane		3.0		ug/L	0.50
07/20/2021 18:49	Chloroform (Trichloromethane)		13		ug/L	0.50
07/20/2021 18:49	Tetrachloroethylene (PCE)		0.63	5	ug/L	0.50
07/20/2021 18:49	Total THM		22	80	ug/L	0.50

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Laboratory Data

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Nate Gillespie
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Boulder Creek, CA 95006-9119

Samples Received on:
07/09/2021 1506

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
814 Creek Drive (202107120150)						Sampled on 07/08/2021 0910			
Water Trax ID: 3BCA2									
EPA 524.2 - Volatile Organics by GCMS									
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1,1-Trichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1,2-Trichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1-Dichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1-Dichloroethylene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,1-Dichloropropene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2,3-Trichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2-Dichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2-Dichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,3-Dichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	2,2-Dichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	2-Butanone (MEK)	ND	ug/L	5.0	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Benzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Bromobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Bromochloromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Bromodichloromethane	5.8	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Bromoethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Bromoform	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Carbon disulfide	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Carbon Tetrachloride	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Chlorobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Chlorodibromomethane	3.0	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Chloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Chloroform (Trichloromethane)	13	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/L	0.50	1

Rounding on totals after summation.

(c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

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Nate Gillespie
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Samples Received on:
07/09/2021 1506

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Dibromomethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Dichlorodifluoromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Dichloromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Di-isopropyl ether	ND	ug/L	3.0	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Ethyl benzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Hexachlorobutadiene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Isopropylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	m,p-Xylenes	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Naphthalene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	n-Butylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	n-Propylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	o-Chlorotoluene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	o-Xylene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	p-Chlorotoluene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	p-Isopropyltoluene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	sec-Butylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Styrene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	tert-amyl Methyl Ether	ND	ug/L	3.0	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/L	3.0	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	tert-Butylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Tetrachloroethylene (PCE)	0.63	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Toluene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Total 1,3-Dichloropropene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Total THM	22	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Total xylenes	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Trichloroethylene (TCE)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Trichlorofluoromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Trichlorotrifluoroethane(Freon 113)	ND	ug/L	0.50	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Vinyl chloride (VC)	ND	ug/L	0.30	1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	1,2-Dichloroethane-d4	112	%		1
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	4-Bromofluorobenzene	98	%		1

Rounding on totals after summation.

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Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District
Nate Gillespie
13060 Highway 9
Boulder Creek, CA 95006-9119

Samples Received on:
07/09/2021 1506

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
07/20/21	07/20/21 18:49	1342685	1342691	(EPA 524.2)	Toluene-d8	100	%		1
<u>Trip Blank C (202107120151)</u>					Sampled on 07/08/2021 0910				
EPA 524.2 - Volatile Organics by GCMS									
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1,1-Trichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1,2-Trichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1-Dichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1-Dichloroethylene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,1-Dichloropropene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2,3-Trichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2-Dichloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2-Dichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,3-Dichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	2,2-Dichloropropane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	2-Butanone (MEK)	ND	ug/L	5.0	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Benzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Bromobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Bromochloromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Bromodichloromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Bromoethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Bromoform	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Carbon disulfide	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Carbon Tetrachloride	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Chlorobenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Chlorodibromomethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Chloroethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/L	0.50	1

Rounding on totals after summation.

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Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District
Nate Gillespie
13060 Highway 9
Boulder Creek, CA 95006-9119

Samples Received on:
07/09/2021 1506

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Dibromomethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Dichlorodifluoromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Dichloromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Di-isopropyl ether	ND	ug/L	3.0	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Ethyl benzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Hexachlorobutadiene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Isopropylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	m,p-Xylenes	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Naphthalene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	n-Butylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	n-Propylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	o-Chlorotoluene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	o-Xylene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	p-Chlorotoluene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	p-Isopropyltoluene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	sec-Butylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Styrene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	tert-amyl Methyl Ether	ND	ug/L	3.0	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/L	3.0	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	tert-Butylbenzene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Toluene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Total 1,3-Dichloropropene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Total THM	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Total xylenes	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Trichloroethylene (TCE)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Trichlorofluoromethane	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Trichlorotrifluoroethane(Freon 113)	ND	ug/L	0.50	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Vinyl chloride (VC)	ND	ug/L	0.30	1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	1,2-Dichloroethane-d4	114	%		1
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	4-Bromofluorobenzene	96	%		1

Rounding on totals after summation.

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Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District
Nate Gillespie
13060 Highway 9
Boulder Creek, CA 95006-9119

Samples Received on:
07/09/2021 1506

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
07/20/21	07/20/21 19:10	1342685	1342691	(EPA 524.2)	Toluene-d8	98	%		1

Rounding on totals after summation.

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Laboratory QC Summary

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District

Volatile Organics by GCMS

Prep Batch: 1342685 Analytical Batch: 1342691

202107120150	814 Creek Drive
202107120151	Trip Blank C

Analysis Date: 07/20/2021

Analyzed by: TG9W
Analyzed by: TG9W

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1 800 566 LABS (1 800 566 5227)

Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
Volatile Organics by GCMS by EPA 524.2									
Analytical Batch: 1342691					Analysis Date: 07/20/2021				
LCS1	1,1,1,2-Tetrachloroethane		5	5.31	ug/L	106	(70-130)		
LCS2	1,1,1,2-Tetrachloroethane		5	5.16	ug/L	103	(70-130)	20	2.9
MBLK	1,1,1,2-Tetrachloroethane			<0.5	ug/L				
MRL_CHK	1,1,1,2-Tetrachloroethane		0.5	0.560	ug/L	112	(50-150)		
LCS1	1,1,1-Trichloroethane		5	5.17	ug/L	103	(70-130)		
LCS2	1,1,1-Trichloroethane		5	4.77	ug/L	95	(70-130)	20	8.1
MBLK	1,1,1-Trichloroethane			<0.5	ug/L				
MRL_CHK	1,1,1-Trichloroethane		0.5	0.490	ug/L	98	(50-150)		
LCS1	1,1,2,2-Tetrachloroethane		5	4.97	ug/L	99	(70-130)		
LCS2	1,1,2,2-Tetrachloroethane		5	4.75	ug/L	95	(70-130)	20	4.5
MBLK	1,1,2,2-Tetrachloroethane			<0.5	ug/L				
MRL_CHK	1,1,2,2-Tetrachloroethane		0.5	0.480	ug/L	96	(50-150)		
LCS1	1,1,2-Trichloroethane		5	4.99	ug/L	100	(70-130)		
LCS2	1,1,2-Trichloroethane		5	4.55	ug/L	91	(70-130)	20	9.2
MBLK	1,1,2-Trichloroethane			<0.5	ug/L				
MRL_CHK	1,1,2-Trichloroethane		0.5	0.470	ug/L	94	(50-150)		
LCS1	1,1-Dichloroethane		5	5.13	ug/L	103	(70-130)		
LCS2	1,1-Dichloroethane		5	4.71	ug/L	94	(70-130)	20	8.5
MBLK	1,1-Dichloroethane			<0.5	ug/L				
MRL_CHK	1,1-Dichloroethane		0.5	0.530	ug/L	106	(50-150)		
LCS1	1,1-Dichloroethylene		5	4.96	ug/L	99	(70-130)		
LCS2	1,1-Dichloroethylene		5	4.65	ug/L	93	(70-130)	20	6.5
MBLK	1,1-Dichloroethylene			<0.5	ug/L				
MRL_CHK	1,1-Dichloroethylene		0.5	0.540	ug/L	108	(50-150)		
LCS1	1,1-Dichloropropene		5	4.84	ug/L	97	(70-130)		
LCS2	1,1-Dichloropropene		5	4.45	ug/L	89	(70-130)	20	8.4
MBLK	1,1-Dichloropropene			<0.5	ug/L				
MRL_CHK	1,1-Dichloropropene		0.5	0.510	ug/L	102	(50-150)		
LCS1	1,2,3-Trichlorobenzene		5	4.57	ug/L	91	(70-130)		
LCS2	1,2,3-Trichlorobenzene		5	4.42	ug/L	88	(70-130)	20	3.3
MBLK	1,2,3-Trichlorobenzene			<0.5	ug/L				
MRL_CHK	1,2,3-Trichlorobenzene		0.5	0.470	ug/L	94	(50-150)		
LCS1	1,2,3-Trichloropropane		5	4.99	ug/L	100	(70-130)		
LCS2	1,2,3-Trichloropropane		5	4.58	ug/L	92	(70-130)	20	8.6
MBLK	1,2,3-Trichloropropane			<0.5	ug/L				

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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Report: 945485
Project: SLVWD
Group: VOC

San Lorenzo Valley Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MRL_CHK	1,2,3-Trichloropropane		0.5	0.530	ug/L	106	(50-150)		
LCS1	1,2,4-Trichlorobenzene		5	4.49	ug/L	90	(70-130)		
LCS2	1,2,4-Trichlorobenzene		5	4.30	ug/L	86	(70-130)	20	4.3
MBLK	1,2,4-Trichlorobenzene			<0.5	ug/L				
MRL_CHK	1,2,4-Trichlorobenzene		0.5	0.480	ug/L	96	(50-150)		
LCS1	1,2,4-Trimethylbenzene		5	4.76	ug/L	95	(70-130)		
LCS2	1,2,4-Trimethylbenzene		5	4.46	ug/L	89	(70-130)	20	6.5
MBLK	1,2,4-Trimethylbenzene			<0.5	ug/L				
MRL_CHK	1,2,4-Trimethylbenzene		0.5	0.420	ug/L	84	(50-150)		
LCS1	1,2-Dichloroethane		5	5.33	ug/L	107	(70-130)		
LCS2	1,2-Dichloroethane		5	4.87	ug/L	97	(70-130)	20	9.0
MBLK	1,2-Dichloroethane			<0.5	ug/L				
MRL_CHK	1,2-Dichloroethane		0.5	0.520	ug/L	104	(50-150)		
LCS1	1,2-Dichloroethane-d4 (S)		5	108	%	108	(70-130)		
LCS2	1,2-Dichloroethane-d4 (S)		5	109	%	109	(70-130)		
MBLK	1,2-Dichloroethane-d4 (S)			108	%	108	(70-130)		
MRL_CHK	1,2-Dichloroethane-d4 (S)		5	107	%	107	(70-130)		
MRLW	1,2-Dichloroethane-d4 (S)		5	109	%	109	(70-130)		
LCS1	1,2-Dichloropropane		5	5.01	ug/L	100	(70-130)		
LCS2	1,2-Dichloropropane		5	4.76	ug/L	95	(70-130)	20	5.1
MBLK	1,2-Dichloropropane			<0.5	ug/L				
MRL_CHK	1,2-Dichloropropane		0.5	0.500	ug/L	100	(50-150)		
LCS1	1,3,5-Trimethylbenzene		5	4.53	ug/L	91	(70-130)		
LCS2	1,3,5-Trimethylbenzene		5	4.38	ug/L	88	(70-130)	20	3.4
MBLK	1,3,5-Trimethylbenzene			<0.5	ug/L				
MRL_CHK	1,3,5-Trimethylbenzene		0.5	0.410	ug/L	82	(50-150)		
LCS1	1,3-Dichloropropane		5	4.96	ug/L	99	(70-130)		
LCS2	1,3-Dichloropropane		5	4.71	ug/L	94	(70-130)	20	5.2
MBLK	1,3-Dichloropropane			<0.5	ug/L				
MRL_CHK	1,3-Dichloropropane		0.5	0.450	ug/L	90	(50-150)		
LCS1	2,2-Dichloropropane		5	5.01	ug/L	100	(70-130)		
LCS2	2,2-Dichloropropane		5	4.62	ug/L	92	(70-130)	20	8.1
MBLK	2,2-Dichloropropane			<0.5	ug/L				
MRL_CHK	2,2-Dichloropropane		0.5	0.510	ug/L	102	(50-150)		
LCS1	2-Butanone (MEK)		50	48.1	ug/L	96	(70-130)		
LCS2	2-Butanone (MEK)		50	44.9	ug/L	90	(70-130)	20	6.9
MBLK	2-Butanone (MEK)			<5.0	ug/L				
MRL_CHK	2-Butanone (MEK)		5	4.66	ug/L	93	(50-150)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS1	4-Bromofluorobenzene (S)		5	99.4	%	99	(70-130)		
LCS2	4-Bromofluorobenzene (S)		5	96.8	%	97	(70-130)		
MBLK	4-Bromofluorobenzene (S)			99.2	%	99	(70-130)		
MRL_CHK	4-Bromofluorobenzene (S)		5	98.2	%	98	(70-130)		
MRLLW	4-Bromofluorobenzene (S)		5	97.2	%	97	(70-130)		
LCS1	4-Methyl-2-Pentanone (MIBK)		50	50.1	ug/L	100	(70-130)		
LCS2	4-Methyl-2-Pentanone (MIBK)		50	46.7	ug/L	93	(70-130)	20	7.0
MBLK	4-Methyl-2-Pentanone (MIBK)			<5.0	ug/L				
MRL_CHK	4-Methyl-2-Pentanone (MIBK)		5	4.44	ug/L	89	(50-150)		
LCS1	Benzene		5	4.99	ug/L	100	(70-130)		
LCS2	Benzene		5	4.66	ug/L	93	(70-130)	20	6.8
MBLK	Benzene			<0.5	ug/L				
MRL_CHK	Benzene		0.5	0.490	ug/L	98	(50-150)		
LCS1	Bromobenzene		5	4.73	ug/L	95	(70-130)		
LCS2	Bromobenzene		5	4.45	ug/L	89	(70-130)	20	6.1
MBLK	Bromobenzene			<0.5	ug/L				
MRL_CHK	Bromobenzene		0.5	0.470	ug/L	94	(50-150)		
LCS1	Bromochloromethane		5	4.84	ug/L	97	(70-130)		
LCS2	Bromochloromethane		5	4.48	ug/L	90	(70-130)	20	7.7
MBLK	Bromochloromethane			<0.5	ug/L				
MRL_CHK	Bromochloromethane		0.5	0.520	ug/L	104	(50-150)		
LCS1	Bromodichloromethane		5	5.26	ug/L	105	(70-130)		
LCS2	Bromodichloromethane		5	4.97	ug/L	99	(70-130)	20	5.7
MBLK	Bromodichloromethane			<0.5	ug/L				
MRL_CHK	Bromodichloromethane		0.5	0.520	ug/L	104	(50-150)		
LCS1	Bromoethane		5	5.18	ug/L	104	(70-130)		
LCS2	Bromoethane		5	4.91	ug/L	98	(70-130)	20	5.3
MBLK	Bromoethane			<0.5	ug/L				
MRL_CHK	Bromoethane		0.5	0.570	ug/L	114	(50-150)		
LCS1	Bromoform		5	5.29	ug/L	106	(70-130)		
LCS2	Bromoform		5	5.13	ug/L	103	(70-130)	20	3.1
MBLK	Bromoform			<0.5	ug/L				
MRL_CHK	Bromoform		0.5	0.550	ug/L	110	(50-150)		
LCS1	Bromomethane (Methyl Bromide)		5	5.31	ug/L	106	(70-130)		
LCS2	Bromomethane (Methyl Bromide)		5	4.87	ug/L	97	(70-130)	20	8.6
MBLK	Bromomethane (Methyl Bromide)			<0.5	ug/L				
MRL_CHK	Bromomethane (Methyl Bromide)		0.5	0.450	ug/L	90	(50-150)		
LCS1	Carbon disulfide		5	5.79	ug/L	116	(70-130)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS2	Carbon disulfide		5	5.42	ug/L	108	(70-130)	20	6.6
MBLK	Carbon disulfide			<0.5	ug/L				
MRL_CHK	Carbon disulfide		0.5	0.640	ug/L	128	(50-150)		
LCS1	Carbon Tetrachloride		5	4.82	ug/L	96	(70-130)		
LCS2	Carbon Tetrachloride		5	4.55	ug/L	91	(70-130)	20	5.8
MBLK	Carbon Tetrachloride			<0.5	ug/L				
MRL_CHK	Carbon Tetrachloride		0.5	0.490	ug/L	98	(50-150)		
LCS1	Chlorobenzene		5	5.09	ug/L	102	(70-130)		
LCS2	Chlorobenzene		5	4.76	ug/L	95	(70-130)	20	6.7
MBLK	Chlorobenzene			<0.5	ug/L				
MRL_CHK	Chlorobenzene		0.5	0.490	ug/L	98	(50-150)		
LCS1	Chlorodibromomethane		5	5.56	ug/L	111	(70-130)		
LCS2	Chlorodibromomethane		5	5.30	ug/L	106	(70-130)	20	4.8
MBLK	Chlorodibromomethane			<0.5	ug/L				
MRL_CHK	Chlorodibromomethane		0.5	0.640	ug/L	128	(50-150)		
LCS1	Chloroethane		5	5.16	ug/L	103	(70-130)		
LCS2	Chloroethane		5	4.75	ug/L	95	(70-130)	20	8.3
MBLK	Chloroethane			<0.5	ug/L				
MRL_CHK	Chloroethane		0.5	0.550	ug/L	110	(50-150)		
LCS1	Chloroform (Trichloromethane)		5	4.98	ug/L	100	(70-130)		
LCS2	Chloroform (Trichloromethane)		5	4.61	ug/L	92	(70-130)	20	7.7
MBLK	Chloroform (Trichloromethane)			<0.5	ug/L				
MRL_CHK	Chloroform (Trichloromethane)		0.5	0.520	ug/L	104	(50-150)		
LCS1	Chloromethane(Methyl Chloride)		5	4.41	ug/L	88	(70-130)		
LCS2	Chloromethane(Methyl Chloride)		5	4.01	ug/L	80	(70-130)	20	9.5
MBLK	Chloromethane(Methyl Chloride)			<0.5	ug/L				
MRL_CHK	Chloromethane(Methyl Chloride)		0.5	0.600	ug/L	120	(50-150)		
LCS1	cis-1,2-Dichloroethylene		5	4.85	ug/L	97	(70-130)		
LCS2	cis-1,2-Dichloroethylene		5	4.62	ug/L	92	(70-130)	20	4.9
MBLK	cis-1,2-Dichloroethylene			<0.5	ug/L				
MRL_CHK	cis-1,2-Dichloroethylene		0.5	0.520	ug/L	104	(50-150)		
LCS1	cis-1,3-Dichloropropene		5	5.24	ug/L	105	(70-130)		
LCS2	cis-1,3-Dichloropropene		5	4.83	ug/L	97	(70-130)	20	8.1
MBLK	cis-1,3-Dichloropropene			<0.5	ug/L				
MRL_CHK	cis-1,3-Dichloropropene		0.5	0.580	ug/L	116	(50-150)		
LCS1	Dibromomethane		5	4.97	ug/L	99	(70-130)		
LCS2	Dibromomethane		5	4.59	ug/L	92	(70-130)	20	8.0
MBLK	Dibromomethane			<0.5	ug/L				

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MRL_CHK	Dibromomethane		0.5	0.490	ug/L	98	(50-150)		
LCS1	Dichlorodifluoromethane		5	6.31	ug/L	126	(70-130)		
LCS2	Dichlorodifluoromethane		5	5.71	ug/L	114	(70-130)	20	10
MBLK	Dichlorodifluoromethane			<0.5	ug/L				
MRL_CHK	Dichlorodifluoromethane		0.5	0.500	ug/L	100	(50-150)		
LCS1	Dichloromethane		5	5.01	ug/L	100	(70-130)		
LCS2	Dichloromethane		5	4.66	ug/L	93	(70-130)	20	7.2
MBLK	Dichloromethane			<0.5	ug/L				
MRL_CHK	Dichloromethane		0.5	0.620	ug/L	124	(50-150)		
LCS1	Di-isopropyl ether		5	5.18	ug/L	104	(70-130)		
LCS2	Di-isopropyl ether		5	4.84	ug/L	97	(70-130)	20	6.8
MBLK	Di-isopropyl ether			<3.0	ug/L				
MRL_CHK	Di-isopropyl ether		0.5	0.520	ug/L	104	(50-150)		
LCS1	Ethyl benzene		5	4.89	ug/L	98	(70-130)		
LCS2	Ethyl benzene		5	4.51	ug/L	90	(70-130)	20	8.1
MBLK	Ethyl benzene			<0.5	ug/L				
MRL_CHK	Ethyl benzene		0.5	0.470	ug/L	94	(50-150)		
LCS1	Hexachlorobutadiene		5	4.80	ug/L	96	(70-130)		
LCS2	Hexachlorobutadiene		5	4.80	ug/L	96	(70-130)	20	0.0
MBLK	Hexachlorobutadiene			<0.5	ug/L				
MRL_CHK	Hexachlorobutadiene		0.5	0.520	ug/L	104	(50-150)		
LCS1	Isopropylbenzene		5	4.63	ug/L	93	(70-130)		
LCS2	Isopropylbenzene		5	4.41	ug/L	88	(70-130)	20	4.9
MBLK	Isopropylbenzene			<0.5	ug/L				
MRL_CHK	Isopropylbenzene		0.5	0.440	ug/L	88	(50-150)		
LCS1	m,p-Xylenes		10	9.84	ug/L	98	(70-130)		
LCS2	m,p-Xylenes		10	8.94	ug/L	89	(70-130)	20	9.6
MBLK	m,p-Xylenes			<0.5	ug/L				
MRL_CHK	m,p-Xylenes		1	0.860	ug/L	86	(50-150)		
MRLLW	m,p-Xylenes		0.5	0.460	ug/L	92	(50-150)		
LCS1	m-Dichlorobenzene (1,3-DCB)		5	4.79	ug/L	96	(70-130)		
LCS2	m-Dichlorobenzene (1,3-DCB)		5	4.52	ug/L	90	(70-130)	20	5.8
MBLK	m-Dichlorobenzene (1,3-DCB)			<0.5	ug/L				
MRL_CHK	m-Dichlorobenzene (1,3-DCB)		0.5	0.450	ug/L	90	(50-150)		
LCS1	Methyl Tert-butyl ether (MTBE)		5	5.16	ug/L	103	(70-130)		
LCS2	Methyl Tert-butyl ether (MTBE)		5	4.84	ug/L	97	(70-130)	20	6.4
MBLK	Methyl Tert-butyl ether (MTBE)			<0.5	ug/L				
MRL_CHK	Methyl Tert-butyl ether (MTBE)		0.5	0.510	ug/L	102	(50-150)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS1	Naphthalene		5	4.19	ug/L	84	(70-130)		
LCS2	Naphthalene		5	4.20	ug/L	84	(70-130)	20	0.24
MBLK	Naphthalene			<0.5	ug/L				
MRL_CHK	Naphthalene		0.5	0.420	ug/L	84	(50-150)		
LCS1	n-Butylbenzene		5	4.51	ug/L	90	(70-130)		
LCS2	n-Butylbenzene		5	4.48	ug/L	90	(70-130)	20	0.67
MBLK	n-Butylbenzene			<0.5	ug/L				
MRL_CHK	n-Butylbenzene		0.5	0.480	ug/L	96	(50-150)		
LCS1	n-Propylbenzene		5	4.63	ug/L	93	(70-130)		
LCS2	n-Propylbenzene		5	4.36	ug/L	87	(70-130)	20	6.0
MBLK	n-Propylbenzene			<0.5	ug/L				
MRL_CHK	n-Propylbenzene		0.5	0.470	ug/L	94	(50-150)		
LCS1	o-Chlorotoluene		5	4.80	ug/L	96	(70-130)		
LCS2	o-Chlorotoluene		5	4.50	ug/L	90	(70-130)	20	6.5
MBLK	o-Chlorotoluene			<0.5	ug/L				
MRL_CHK	o-Chlorotoluene		0.5	0.490	ug/L	98	(50-150)		
LCS1	o-Dichlorobenzene (1,2-DCB)		5	4.66	ug/L	93	(70-130)		
LCS2	o-Dichlorobenzene (1,2-DCB)		5	4.58	ug/L	92	(70-130)	20	1.7
MBLK	o-Dichlorobenzene (1,2-DCB)			<0.5	ug/L				
MRL_CHK	o-Dichlorobenzene (1,2-DCB)		0.5	0.510	ug/L	102	(50-150)		
LCS1	o-Xylene		5	4.78	ug/L	96	(70-130)		
LCS2	o-Xylene		5	4.41	ug/L	88	(70-130)	20	8.1
MBLK	o-Xylene			<0.5	ug/L				
MRL_CHK	o-Xylene		0.5	0.430	ug/L	86	(50-150)		
LCS1	p-Chlorotoluene		5	4.75	ug/L	95	(70-130)		
LCS2	p-Chlorotoluene		5	4.53	ug/L	91	(70-130)	20	4.7
MBLK	p-Chlorotoluene			<0.5	ug/L				
MRL_CHK	p-Chlorotoluene		0.5	0.460	ug/L	92	(50-150)		
LCS1	p-Dichlorobenzene (1,4-DCB)		5	4.80	ug/L	96	(70-130)		
LCS2	p-Dichlorobenzene (1,4-DCB)		5	4.46	ug/L	89	(70-130)	20	7.3
MBLK	p-Dichlorobenzene (1,4-DCB)			<0.5	ug/L				
MRL_CHK	p-Dichlorobenzene (1,4-DCB)		0.5	0.470	ug/L	94	(50-150)		
LCS1	p-Isopropyltoluene		5	4.76	ug/L	95	(70-130)		
LCS2	p-Isopropyltoluene		5	4.47	ug/L	89	(70-130)	20	6.3
MBLK	p-Isopropyltoluene			<0.5	ug/L				
MRL_CHK	p-Isopropyltoluene		0.5	0.400	ug/L	80	(50-150)		
LCS1	sec-Butylbenzene		5	4.65	ug/L	93	(70-130)		
LCS2	sec-Butylbenzene		5	4.48	ug/L	90	(70-130)	20	3.7

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MBLK	sec-Butylbenzene			<0.5	ug/L				
MRL_CHK	sec-Butylbenzene		0.5	0.430	ug/L	86	(50-150)		
LCS1	Styrene		5	4.98	ug/L	100	(70-130)		
LCS2	Styrene		5	4.59	ug/L	92	(70-130)	20	8.2
MBLK	Styrene			<0.5	ug/L				
MRL_CHK	Styrene		0.5	0.420	ug/L	84	(50-150)		
LCS1	tert-amyl Methyl Ether		5	4.84	ug/L	97	(70-130)		
LCS2	tert-amyl Methyl Ether		5	4.52	ug/L	90	(70-130)	20	6.8
MBLK	tert-amyl Methyl Ether			<3.0	ug/L				
MRL_CHK	tert-amyl Methyl Ether		0.5	0.460	ug/L	92	(50-150)		
LCS1	tert-Butyl Ethyl Ether		5	5.29	ug/L	106	(70-130)		
LCS2	tert-Butyl Ethyl Ether		5	4.76	ug/L	95	(70-130)	20	11
MBLK	tert-Butyl Ethyl Ether			<3.0	ug/L				
MRL_CHK	tert-Butyl Ethyl Ether		0.5	0.510	ug/L	102	(50-150)		
LCS1	tert-Butylbenzene		5	4.57	ug/L	91	(70-130)		
LCS2	tert-Butylbenzene		5	4.35	ug/L	87	(70-130)	20	4.9
MBLK	tert-Butylbenzene			<0.5	ug/L				
MRL_CHK	tert-Butylbenzene		0.5	0.420	ug/L	84	(50-150)		
LCS1	Tetrachloroethylene (PCE)		5	5.03	ug/L	101	(70-130)		
LCS2	Tetrachloroethylene (PCE)		5	4.56	ug/L	91	(70-130)	20	9.8
MBLK	Tetrachloroethylene (PCE)			<0.5	ug/L				
MRL_CHK	Tetrachloroethylene (PCE)		0.5	0.540	ug/L	108	(50-150)		
LCS1	Toluene		5	4.86	ug/L	97	(70-130)		
LCS2	Toluene		5	4.49	ug/L	90	(70-130)	20	7.9
MBLK	Toluene			<0.5	ug/L				
MRL_CHK	Toluene		0.5	0.480	ug/L	96	(50-150)		
LCS1	Toluene-d8 (S)		5	104	%	104	(70-130)		
LCS2	Toluene-d8 (S)		5	102	%	102	(70-130)		
MBLK	Toluene-d8 (S)			99.4	%	99	(70-130)		
MRL_CHK	Toluene-d8 (S)		5	101	%	101	(70-130)		
MRLLW	Toluene-d8 (S)		5	99.2	%	99	(70-130)		
LCS1	trans-1,2-Dichloroethylene		5	4.92	ug/L	98	(70-130)		
LCS2	trans-1,2-Dichloroethylene		5	4.72	ug/L	94	(70-130)	20	4.2
MBLK	trans-1,2-Dichloroethylene			<0.5	ug/L				
MRL_CHK	trans-1,2-Dichloroethylene		0.5	0.510	ug/L	102	(50-150)		
LCS1	trans-1,3-Dichloropropene		5	5.19	ug/L	104	(70-130)		
LCS2	trans-1,3-Dichloropropene		5	4.83	ug/L	97	(70-130)	20	7.2
MBLK	trans-1,3-Dichloropropene			<0.5	ug/L				

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MRL_CHK	trans-1,3-Dichloropropene		0.5	0.610	ug/L	122	(50-150)		
LCS1	Trichloroethylene (TCE)		5	5.08	ug/L	102	(70-130)		
LCS2	Trichloroethylene (TCE)		5	4.70	ug/L	94	(70-130)	20	7.8
MBLK	Trichloroethylene (TCE)			<0.5	ug/L				
MRL_CHK	Trichloroethylene (TCE)		0.5	0.480	ug/L	96	(50-150)		
LCS1	Trichlorofluoromethane		5	5.49	ug/L	110	(70-130)		
LCS2	Trichlorofluoromethane		5	5.02	ug/L	100	(70-130)	20	8.9
MBLK	Trichlorofluoromethane			<0.5	ug/L				
MRL_CHK	Trichlorofluoromethane		0.5	0.570	ug/L	114	(50-150)		
LCS1	Trichlorotrifluoroethane(Freon		5	5.14	ug/L	103	(70-130)		
LCS2	Trichlorotrifluoroethane(Freon		5	4.83	ug/L	97	(70-130)	20	6.2
MBLK	Trichlorotrifluoroethane(Freon			<0.5	ug/L				
MRL_CHK	Trichlorotrifluoroethane(Freon		0.5	0.530	ug/L	106	(50-150)		
LCS1	Vinyl chloride (VC)		5	5.27	ug/L	105	(70-130)		
LCS2	Vinyl chloride (VC)		5	4.86	ug/L	97	(70-130)	20	8.1
MBLK	Vinyl chloride (VC)			<0.3	ug/L				
MRL_CHK	Vinyl chloride (VC)		0.5	0.540	ug/L	108	(50-150)		
MRLW	Vinyl chloride (VC)		0.25	0.290	ug/L	116	(50-150)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.