



Alpha Analytical Laboratories Inc.

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Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

13 September 2018

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Clear VOA- HCl

Work Order: 18H2882

Enclosed are the results of analyses for samples received by the laboratory on 08/29/18 08:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Chelsea L. Sandelin
Project Manager



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B8234CVBS-01	18H2882-01	Water	08/29/18 00:00	08/29/18 08:30
B8234CVBS-02	18H2882-02	Water	08/29/18 00:00	08/29/18 08:30



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8234CVBS-02 (18H2882-02) Water Sampled: 08/29/18 00:00 Received: 08/29/18 08:30												
Acetone	ND	2.0	5.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Benzene	ND	0.30	0.30		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Bromobenzene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Chlorobenzene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Dibromomethane	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2-Dichlorobenzene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,3-Dichlorobenzene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,4-Dichlorobenzene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1-Dichloroethane	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2-Dichloroethane	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1-Dichloroethene	ND	0.30	0.30		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2-Dichloropropane	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8234CVBS-02 (18H2882-02) Water Sampled: 08/29/18 00:00 Received: 08/29/18 08:30												
1,3-Dichloropropane	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1-Dichloropropene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.60	1.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.80	1.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Styrene	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.20	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8234CVBS-02 (18H2882-02) Water Sampled: 08/29/18 00:00 Received: 08/29/18 08:30												
o-Xylene	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50		ug/L	1	A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	U
Surrogate: Bromofluorobenzene		112 %	70-130				A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	
Surrogate: Dibromofluoromethane		109 %	70-130				A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	
Surrogate: Toluene-d8		118 %	70-130				A183018	09/01/18 11:00	09/01/18 16:15	EPA 524.2	JV	



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8234CVBS-01 (18H2882-01) Water Sampled: 08/29/18 00:00 Received: 08/29/18 08:30												
Acetone	ND	0.90	5.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Acetonitrile	ND	50	100		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Allyl chloride	ND	0.40	10		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Benzene	ND	0.30	0.30		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Bromobenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Bromodichloromethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
n-Butylbenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
sec-Butylbenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
tert-Butylbenzene	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Carbon disulfide	ND	0.40	5.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Carbon tetrachloride	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Chlorobenzene	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Chloroethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Chloroform	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Chloroprene	ND	0.40	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
2-Chlorotoluene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
4-Chlorotoluene	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Dibromochloromethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Dibromomethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2-Dichlorobenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,4-Dichlorobenzene	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Dichlorodifluoromethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,1-Dichloroethane	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2-Dichloroethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,1-Dichloroethene	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8234CVBS-01 (18H2882-01) Water Sampled: 08/29/18 00:00 Received: 08/29/18 08:30												
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2-Dichloropropane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,3-Dichloropropane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
2,2-Dichloropropane	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,1-Dichloropropene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
cis-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
trans-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Diethyl ether	ND	0.50	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Di-isopropyl ether	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Ethanol	ND	50	50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Ethyl methacrylate	ND	0.30	10		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Ethylbenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Hexachlorobutadiene	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Hexachloroethane	ND	0.40	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
2-Hexanone	ND	4.0	5.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Isobutanol	ND	40	100		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Isopropylbenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
p-Isopropyltoluene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methacrylonitrile	ND	0.40	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methylene chloride	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methyl ethyl ketone	ND	0.70	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methyl isobutyl ketone	ND	0.60	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methyl methacrylate	ND	0.40	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Methyl tert-butyl ether	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Propionitrile	ND	20	50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
n-Propylbenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Styrene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Tert-amyl methyl ether	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Tert-butyl alcohol	ND	6.0	10		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8234CVBS-01 (18H2882-01) Water Sampled: 08/29/18 00:00 Received: 08/29/18 08:30												
1,1,2,2-Tetrachloroethane	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Tetrachloroethene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Tetrahydrofuran	ND	4.0	5.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Toluene	ND	0.30	0.30		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Trichloroethene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Trichlorotrifluoroethane	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
o-Xylene	ND	0.40	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	U
Surrogate: Bromofluorobenzene		122 %	70-130				A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	
Surrogate: Dibromofluoromethane		104 %	70-130				A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	
Surrogate: Toluene-d8		119 %	70-130				A183117	09/05/18 10:00	09/05/18 14:54	EPA 8260	JV	



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Blank (AI83018-BLK1)

Prepared: 08/31/18 Analyzed: 09/01/18

Acetone	ND	2.0	5.0	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.30	0.30	ug/L							U
Bromobenzene	ND	0.20	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.20	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.50	0.50	ug/L							U
sec-Butylbenzene	ND	0.50	0.50	ug/L							U
tert-Butylbenzene	ND	0.50	0.50	ug/L							U
Carbon disulfide	ND	0.40	0.50	ug/L							U
Carbon tetrachloride	ND	0.30	0.50	ug/L							U
Chlorobenzene	ND	0.20	0.50	ug/L							U
Chloroethane	ND	0.30	0.50	ug/L							U
Chloroform	ND	0.30	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
2-Chlorotoluene	ND	0.20	0.50	ug/L							U
4-Chlorotoluene	ND	0.20	0.50	ug/L							U
Dibromochloromethane	ND	0.30	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L							U
Dibromomethane	ND	0.20	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethane	ND	0.20	0.50	ug/L							U
1,2-Dichloroethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.30	ug/L							U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
1,2-Dichloropropane	ND	0.20	0.50	ug/L							U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Blank (AI83018-BLK1)

Prepared: 08/31/18 Analyzed: 09/01/18

1,3-Dichloropropane	ND	0.50	0.50	ug/L							U
2,2-Dichloropropane	ND	0.30	0.50	ug/L							U
1,1-Dichloropropene	ND	0.50	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
2-Hexanone	ND	0.50	5.0	ug/L							U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L							U
Ethylbenzene	ND	0.50	0.50	ug/L							U
Hexachlorobutadiene	ND	0.40	0.50	ug/L							U
Isopropylbenzene	ND	0.50	0.50	ug/L							U
p-Isopropyltoluene	ND	0.50	0.50	ug/L							U
Methyl ethyl ketone	ND	0.60	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl isobutyl ketone	ND	0.80	1.0	ug/L							U
Methylene chloride	ND	0.40	0.50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.50	0.50	ug/L							U
Styrene	ND	0.20	0.50	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L							U
Tetrachloroethene	ND	0.50	0.50	ug/L							U
Toluene	ND	0.30	0.50	ug/L							U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L							U
Trichloroethene	ND	0.50	0.50	ug/L							U
Trichlorofluoromethane	ND	0.50	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.50	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L							U
Vinyl chloride	ND	0.50	0.50	ug/L							U
m,p-Xylene	ND	0.50	0.50	ug/L							U
o-Xylene	ND	0.50	0.50	ug/L							U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Blank (AI83018-BLK1)

Prepared: 08/31/18 Analyzed: 09/01/18

Xylenes (total)	ND	0.50	0.50	ug/L							U
Trihalomethanes (total)	ND	0.30	0.50	ug/L							U
Methyl tert-butyl ether	ND	0.50	3.0	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L							U
Surrogate: Bromofluorobenzene	28.2			ug/L	25.0		113	70-130			
Surrogate: Dibromofluoromethane	28.0			ug/L	25.0		112	70-130			
Surrogate: Toluene-d8	29.4			ug/L	25.0		118	70-130			

LCS (AI83018-BS1)

Prepared: 08/31/18 Analyzed: 09/01/18

Acetone	23.1	2.0	5.0	ug/L	20.0		116	70-130			
Acrylonitrile	5.20	0.40	5.0	ug/L	5.00		104	70-130			
Benzene	5.07	0.30	0.30	ug/L	5.00		101	70-130			
Bromobenzene	5.34	0.20	0.50	ug/L	5.00		107	70-130			
Bromochloromethane	5.21	0.40	0.50	ug/L	5.00		104	70-130			
Bromodichloromethane	6.31	0.20	0.50	ug/L	5.00		126	70-130			
Bromoform	6.13	0.30	0.50	ug/L	5.00		123	70-130			
Bromomethane	4.51	0.40	0.50	ug/L	5.00		90.2	70-130			
n-Butylbenzene	4.44	0.50	0.50	ug/L	5.00		88.8	70-130			
sec-Butylbenzene	5.30	0.50	0.50	ug/L	5.00		106	70-130			
tert-Butylbenzene	5.41	0.50	0.50	ug/L	5.00		108	70-130			
Carbon disulfide	4.52	0.40	0.50	ug/L	5.00		90.4	70-130			
Carbon tetrachloride	4.89	0.30	0.50	ug/L	5.00		97.8	70-130			
Chlorobenzene	5.29	0.20	0.50	ug/L	5.00		106	70-130			
Chloroethane	4.84	0.30	0.50	ug/L	5.00		96.8	70-130			
Chloroform	6.21	0.30	0.50	ug/L	5.00		124	70-130			
Chloromethane	4.08	0.40	0.50	ug/L	5.00		81.6	70-130			
2-Chlorotoluene	5.47	0.20	0.50	ug/L	5.00		109	70-130			
4-Chlorotoluene	5.26	0.20	0.50	ug/L	5.00		105	70-130			
Dibromochloromethane	6.27	0.30	0.50	ug/L	5.00		125	70-130			
1,2-Dibromo-3-chloropropane	4.18	0.50	0.50	ug/L	5.00		83.6	70-130			
1,2-Dibromoethane (EDB)	5.12	0.20	0.50	ug/L	5.00		102	70-130			
Dibromomethane	5.04	0.20	0.50	ug/L	5.00		101	70-130			
1,2-Dichlorobenzene	5.05	0.20	0.50	ug/L	5.00		101	70-130			
1,3-Dichlorobenzene	5.22	0.20	0.50	ug/L	5.00		104	70-130			

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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

LCS (AI83018-BS1)

Prepared: 08/31/18 Analyzed: 09/01/18

trans-1,4-Dichloro-2-butene	4.51	0.90	5.0	ug/L	5.00		90.2	70-130			J
1,4-Dichlorobenzene	4.86	0.20	0.50	ug/L	5.00		97.2	70-130			
Dichlorodifluoromethane	3.93	0.50	0.50	ug/L	5.00		78.6	70-130			
1,1-Dichloroethane	5.38	0.20	0.50	ug/L	5.00		108	70-130			
1,2-Dichloroethane	5.08	0.50	0.50	ug/L	5.00		102	70-130			
1,1-Dichloroethene	5.08	0.30	0.30	ug/L	5.00		102	70-130			
cis-1,2-Dichloroethene	5.19	0.40	0.50	ug/L	5.00		104	70-130			
trans-1,2-Dichloroethene	5.25	0.40	0.50	ug/L	5.00		105	70-130			
1,2-Dichloropropane	4.88	0.20	0.50	ug/L	5.00		97.6	70-130			
1,3-Dichloropropane	5.33	0.50	0.50	ug/L	5.00		107	70-130			
2,2-Dichloropropane	4.36	0.30	0.50	ug/L	5.00		87.2	70-130			
1,1-Dichloropropene	5.24	0.50	0.50	ug/L	5.00		105	70-130			
cis-1,3-Dichloropropene	4.45	0.30	0.50	ug/L	5.00		89.0	70-130			
trans-1,3-Dichloropropene	4.48	0.30	0.50	ug/L	5.00		89.6	70-130			
2-Hexanone	4.77	0.50	5.0	ug/L	5.00		95.4	70-130			J
Ethylbenzene	5.08	0.50	0.50	ug/L	5.00		102	70-130			
Hexachlorobutadiene	5.11	0.40	0.50	ug/L	5.00		102	70-130			
Isopropylbenzene	5.72	0.50	0.50	ug/L	5.00		114	70-130			
p-Isopropyltoluene	5.32	0.50	0.50	ug/L	5.00		106	70-130			
Methyl ethyl ketone	11.4	0.60	1.0	ug/L	10.0		114	70-130			
Methyl iodide	5.02	0.40	2.0	ug/L	5.00		100	70-130			
Methyl isobutyl ketone	9.83	0.80	1.0	ug/L	10.0		98.3	70-130			
Methylene chloride	5.56	0.40	0.50	ug/L	5.00		111	70-130			
Naphthalene	4.51	0.50	0.50	ug/L	5.00		90.2	70-130			
n-Propylbenzene	5.43	0.50	0.50	ug/L	5.00		109	70-130			
Styrene	5.25	0.20	0.50	ug/L	5.00		105	70-130			
1,1,1,2-Tetrachloroethane	5.20	0.40	0.50	ug/L	5.00		104	70-130			
1,1,2,2-Tetrachloroethane	4.96	0.20	0.50	ug/L	5.00		99.2	70-130			
Tetrachloroethene	5.03	0.50	0.50	ug/L	5.00		101	70-130			
Toluene	5.43	0.30	0.50	ug/L	5.00		109	70-130			
1,2,3-Trichlorobenzene	4.82	0.40	0.50	ug/L	5.00		96.4	70-130			
1,2,4-Trichlorobenzene	4.68	0.40	0.50	ug/L	5.00		93.6	70-130			
1,1,1-Trichloroethane	4.80	0.40	0.50	ug/L	5.00		96.0	70-130			
1,1,2-Trichloroethane	5.30	0.20	0.50	ug/L	5.00		106	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

LCS (AI83018-BS1)

Prepared: 08/31/18 Analyzed: 09/01/18

Trichloroethene	4.97	0.50	0.50	ug/L	5.00		99.4	70-130			
Trichlorofluoromethane	4.67	0.50	0.50	ug/L	5.00		93.4	70-130			
Trichlorotrifluoroethane	5.43	0.40	0.50	ug/L	5.00		109	70-130			
1,2,3-Trichloropropane	5.37	0.50	0.50	ug/L	5.00		107	70-130			
1,2,4-Trimethylbenzene	5.51	0.50	0.50	ug/L	5.00		110	70-130			
1,3,5-Trimethylbenzene	5.51	0.50	0.50	ug/L	5.00		110	70-130			
Vinyl chloride	4.40	0.50	0.50	ug/L	5.00		88.0	70-130			
m,p-Xylene	10.7	0.50	0.50	ug/L	10.0		107	70-130			
o-Xylene	5.27	0.50	0.50	ug/L	5.00		105	70-130			
Xylenes (total)	16.0	0.50	0.50	ug/L	15.0		107	70-130			
Methyl tert-butyl ether	5.34	0.50	3.0	ug/L	5.00		107	70-130			
Ethyl tert-butyl ether	5.68	0.40	0.50	ug/L	5.00		114	70-130			
Tert-amyl methyl ether	5.12	0.30	0.50	ug/L	5.00		102	70-130			
Surrogate: Bromofluorobenzene	29.4			ug/L	25.0		118	70-130			
Surrogate: Dibromofluoromethane	28.7			ug/L	25.0		115	70-130			
Surrogate: Toluene-d8	28.6			ug/L	25.0		115	70-130			

LCS Dup (AI83018-BSD1)

Prepared: 08/31/18 Analyzed: 09/01/18

Acetone	24.3	2.0	5.0	ug/L	20.0		122	70-130	5.02	30	
Acrylonitrile	5.52	0.40	5.0	ug/L	5.00		110	70-130	5.97	30	
Benzene	4.85	0.30	0.30	ug/L	5.00		97.0	70-130	4.44	30	
Bromobenzene	5.19	0.20	0.50	ug/L	5.00		104	70-130	2.85	30	
Bromochloromethane	5.01	0.40	0.50	ug/L	5.00		100	70-130	3.91	30	
Bromodichloromethane	6.27	0.20	0.50	ug/L	5.00		125	70-130	0.636	30	
Bromoform	6.01	0.30	0.50	ug/L	5.00		120	70-130	1.98	30	
Bromomethane	4.23	0.40	0.50	ug/L	5.00		84.6	70-130	6.41	30	
n-Butylbenzene	4.32	0.50	0.50	ug/L	5.00		86.4	70-130	2.74	30	
sec-Butylbenzene	5.19	0.50	0.50	ug/L	5.00		104	70-130	2.10	30	
tert-Butylbenzene	5.25	0.50	0.50	ug/L	5.00		105	70-130	3.00	30	
Carbon disulfide	4.41	0.40	0.50	ug/L	5.00		88.2	70-130	2.46	30	
Carbon tetrachloride	4.93	0.30	0.50	ug/L	5.00		98.6	70-130	0.815	30	
Chlorobenzene	5.11	0.20	0.50	ug/L	5.00		102	70-130	3.46	30	
Chloroethane	4.23	0.30	0.50	ug/L	5.00		84.6	70-130	13.5	30	
Chloroform	6.05	0.30	0.50	ug/L	5.00		121	70-130	2.61	30	
Chloromethane	4.14	0.40	0.50	ug/L	5.00		82.8	70-130	1.46	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

LCS Dup (AI83018-BSD1)

Prepared: 08/31/18 Analyzed: 09/01/18

2-Chlorotoluene	5.34	0.20	0.50	ug/L	5.00		107	70-130	2.41	30	
4-Chlorotoluene	5.05	0.20	0.50	ug/L	5.00		101	70-130	4.07	30	
Dibromochloromethane	6.41	0.30	0.50	ug/L	5.00		128	70-130	2.21	30	
1,2-Dibromo-3-chloropropane	4.41	0.50	0.50	ug/L	5.00		88.2	70-130	5.36	25	
1,2-Dibromoethane (EDB)	5.09	0.20	0.50	ug/L	5.00		102	70-130	0.588	25	
Dibromomethane	4.93	0.20	0.50	ug/L	5.00		98.6	70-130	2.21	30	
1,2-Dichlorobenzene	4.98	0.20	0.50	ug/L	5.00		99.6	70-130	1.40	30	
1,3-Dichlorobenzene	5.14	0.20	0.50	ug/L	5.00		103	70-130	1.54	30	
1,4-Dichlorobenzene	4.77	0.20	0.50	ug/L	5.00		95.4	70-130	1.87	30	
trans-1,4-Dichloro-2-butene	4.40	0.90	5.0	ug/L	5.00		88.0	70-130	2.47	25	J
Dichlorodifluoromethane	3.86	0.50	0.50	ug/L	5.00		77.2	70-130	1.80	30	
1,1-Dichloroethane	5.13	0.20	0.50	ug/L	5.00		103	70-130	4.76	30	
1,2-Dichloroethane	4.88	0.50	0.50	ug/L	5.00		97.6	70-130	4.02	30	
1,1-Dichloroethene	5.03	0.30	0.30	ug/L	5.00		101	70-130	0.989	30	
cis-1,2-Dichloroethene	4.96	0.40	0.50	ug/L	5.00		99.2	70-130	4.53	30	
trans-1,2-Dichloroethene	4.97	0.40	0.50	ug/L	5.00		99.4	70-130	5.48	30	
1,2-Dichloropropane	4.76	0.20	0.50	ug/L	5.00		95.2	70-130	2.49	30	
1,3-Dichloropropane	5.10	0.50	0.50	ug/L	5.00		102	70-130	4.41	30	
2,2-Dichloropropane	4.08	0.30	0.50	ug/L	5.00		81.6	70-130	6.64	30	
1,1-Dichloropropene	4.84	0.50	0.50	ug/L	5.00		96.8	70-130	7.94	30	
cis-1,3-Dichloropropene	4.37	0.30	0.50	ug/L	5.00		87.4	70-130	1.81	30	
trans-1,3-Dichloropropene	4.47	0.30	0.50	ug/L	5.00		89.4	70-130	0.223	30	
2-Hexanone	4.71	0.50	5.0	ug/L	5.00		94.2	70-130	1.27	25	J
Ethylbenzene	4.91	0.50	0.50	ug/L	5.00		98.2	70-130	3.40	30	
Hexachlorobutadiene	5.23	0.40	0.50	ug/L	5.00		105	70-130	2.32	30	
Isopropylbenzene	5.49	0.50	0.50	ug/L	5.00		110	70-130	4.10	30	
p-Isopropyltoluene	5.16	0.50	0.50	ug/L	5.00		103	70-130	3.05	30	
Methyl ethyl ketone	11.8	0.60	1.0	ug/L	10.0		118	70-130	3.61	30	
Methyl iodide	4.26	0.40	2.0	ug/L	5.00		85.2	70-130	16.4	25	
Methyl isobutyl ketone	9.84	0.80	1.0	ug/L	10.0		98.4	70-130	0.102	30	
Methylene chloride	5.29	0.40	0.50	ug/L	5.00		106	70-130	4.98	30	
Naphthalene	4.61	0.50	0.50	ug/L	5.00		92.2	70-130	2.19	30	
n-Propylbenzene	5.28	0.50	0.50	ug/L	5.00		106	70-130	2.80	30	
Styrene	5.06	0.20	0.50	ug/L	5.00		101	70-130	3.69	30	
1,1,1,2-Tetrachloroethane	5.05	0.40	0.50	ug/L	5.00		101	70-130	2.93	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

LCS Dup (AI83018-BSD1)

Prepared: 08/31/18 Analyzed: 09/01/18

1,1,2,2-Tetrachloroethane	4.89	0.20	0.50	ug/L	5.00		97.8	70-130	1.42	30	
Tetrachloroethene	4.96	0.50	0.50	ug/L	5.00		99.2	70-130	1.40	30	
Toluene	5.25	0.30	0.50	ug/L	5.00		105	70-130	3.37	30	
1,2,3-Trichlorobenzene	4.97	0.40	0.50	ug/L	5.00		99.4	70-130	3.06	30	
1,2,4-Trichlorobenzene	4.89	0.40	0.50	ug/L	5.00		97.8	70-130	4.39	30	
1,1,1-Trichloroethane	4.68	0.40	0.50	ug/L	5.00		93.6	70-130	2.53	30	
1,1,2-Trichloroethane	5.22	0.20	0.50	ug/L	5.00		104	70-130	1.52	30	
Trichloroethene	4.94	0.50	0.50	ug/L	5.00		98.8	70-130	0.605	30	
Trichlorofluoromethane	4.23	0.50	0.50	ug/L	5.00		84.6	70-130	9.89	30	
Trichlorotrifluoroethane	5.14	0.40	0.50	ug/L	5.00		103	70-130	5.49	30	
1,2,3-Trichloropropane	5.12	0.50	0.50	ug/L	5.00		102	70-130	4.77	25	
1,2,4-Trimethylbenzene	5.30	0.50	0.50	ug/L	5.00		106	70-130	3.89	30	
1,3,5-Trimethylbenzene	5.30	0.50	0.50	ug/L	5.00		106	70-130	3.89	30	
Vinyl chloride	4.21	0.50	0.50	ug/L	5.00		84.2	70-130	4.41	30	
m,p-Xylene	10.3	0.50	0.50	ug/L	10.0		103	70-130	3.90	30	
o-Xylene	5.07	0.50	0.50	ug/L	5.00		101	70-130	3.87	30	
Xylenes (total)	15.4	0.50	0.50	ug/L	15.0		103	70-130	3.89	30	
Methyl tert-butyl ether	5.15	0.50	3.0	ug/L	5.00		103	70-130	3.62	30	
Ethyl tert-butyl ether	5.58	0.40	0.50	ug/L	5.00		112	70-130	1.78	30	
Tert-amyl methyl ether	4.98	0.30	0.50	ug/L	5.00		99.6	70-130	2.77	30	
Surrogate: Bromofluorobenzene	29.3			ug/L	25.0		117	70-130			
Surrogate: Dibromofluoromethane	28.8			ug/L	25.0		115	70-130			
Surrogate: Toluene-d8	28.6			ug/L	25.0		115	70-130			

MRL Check (AI83018-MRL1)

Prepared & Analyzed: 08/31/18

Acetone	5.20	2.0	5.0	ug/L	4.00		130	0-200			
Acrylonitrile	1.13	0.40	5.0	ug/L	1.00		113	0-200			J
Benzene	0.950	0.30	0.30	ug/L	1.00		95.0	0-200			
Bromobenzene	0.900	0.20	0.50	ug/L	1.00		90.0	0-200			
Bromochloromethane	0.980	0.40	0.50	ug/L	1.00		98.0	0-200			
Bromodichloromethane	ND	0.20	0.50	ug/L	1.00			0-200			U
Bromoform	ND	0.30	0.50	ug/L	1.00			0-200			U
Bromomethane	0.980	0.40	0.50	ug/L	1.00		98.0	0-200			
n-Butylbenzene	0.700	0.50	0.50	ug/L	1.00		70.0	0-200			
sec-Butylbenzene	0.840	0.50	0.50	ug/L	1.00		84.0	0-200			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting		Spike Level	Source		%REC		RPD		Notes
			Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch AI83018 - VOAs in Water GCMS

MRL Check (AI83018-MRL1)

Prepared & Analyzed: 08/31/18

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
tert-Butylbenzene	0.760	0.50	0.50	ug/L	1.00	76.0	0-200		
Carbon disulfide	0.820	0.40	0.50	ug/L	1.00	82.0	0-200		
Carbon tetrachloride	0.850	0.30	0.50	ug/L	1.00	85.0	0-200		
Chlorobenzene	0.980	0.20	0.50	ug/L	1.00	98.0	0-200		
Chloroethane	0.370	0.30	0.50	ug/L	1.00	37.0	0-200		J
Chloroform	ND	0.30	0.50	ug/L	1.00		0-200		U
Chloromethane	0.950	0.40	0.50	ug/L	1.00	95.0	0-200		
2-Chlorotoluene	0.850	0.20	0.50	ug/L	1.00	85.0	0-200		
4-Chlorotoluene	0.870	0.20	0.50	ug/L	1.00	87.0	0-200		
Dibromochloromethane	ND	0.30	0.50	ug/L	1.00		0-200		U
1,2-Dibromo-3-chloropropane	1.40	0.50	0.50	ug/L	1.00	140	0-200		
1,2-Dibromoethane (EDB)	0.840	0.20	0.50	ug/L	1.00	84.0	0-200		
Dibromomethane	0.890	0.20	0.50	ug/L	1.00	89.0	0-200		
1,2-Dichlorobenzene	0.930	0.20	0.50	ug/L	1.00	93.0	0-200		
1,3-Dichlorobenzene	0.920	0.20	0.50	ug/L	1.00	92.0	0-200		
trans-1,4-Dichloro-2-butene	1.43	0.90	5.0	ug/L	1.00	143	0-200		J
1,4-Dichlorobenzene	0.970	0.20	0.50	ug/L	1.00	97.0	0-200		
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1.00		0-200		U
1,1-Dichloroethane	0.980	0.20	0.50	ug/L	1.00	98.0	0-200		
1,2-Dichloroethane	1.06	0.50	0.50	ug/L	1.00	106	0-200		
1,1-Dichloroethene	0.940	0.30	0.30	ug/L	1.00	94.0	0-200		
cis-1,2-Dichloroethene	1.02	0.40	0.50	ug/L	1.00	102	0-200		
trans-1,2-Dichloroethene	0.970	0.40	0.50	ug/L	1.00	97.0	0-200		
1,2-Dichloropropane	0.940	0.20	0.50	ug/L	1.00	94.0	0-200		
1,3-Dichloropropane	0.990	0.50	0.50	ug/L	1.00	99.0	0-200		
2,2-Dichloropropane	0.950	0.30	0.50	ug/L	1.00	95.0	0-200		
1,1-Dichloropropene	0.890	0.50	0.50	ug/L	1.00	89.0	0-200		
cis-1,3-Dichloropropene	1.27	0.30	0.50	ug/L	1.00	127	0-200		
trans-1,3-Dichloropropene	1.34	0.30	0.50	ug/L	1.00	134	0-200		
Ethylbenzene	0.830	0.50	0.50	ug/L	1.00	83.0	0-200		
2-Hexanone	1.13	0.50	5.0	ug/L	1.00	113	0-200		J
Hexachlorobutadiene	0.930	0.40	0.50	ug/L	1.00	93.0	0-200		
Isopropylbenzene	0.780	0.50	0.50	ug/L	1.00	78.0	0-200		
p-Isopropyltoluene	0.790	0.50	0.50	ug/L	1.00	79.0	0-200		

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

MRL Check (AI83018-MRL1)

Prepared & Analyzed: 08/31/18

Methyl ethyl ketone	2.44	0.60	1.0	ug/L	2.00	122	0-200				
Methyl iodide	1.04	0.40	2.0	ug/L	1.00	104	0-200				J
Methyl isobutyl ketone	2.12	0.80	1.0	ug/L	2.00	106	0-200				
Methylene chloride	0.910	0.40	0.50	ug/L	1.00	91.0	0-200				
Naphthalene	1.24	0.50	0.50	ug/L	1.00	124	0-200				
n-Propylbenzene	0.780	0.50	0.50	ug/L	1.00	78.0	0-200				
Styrene	0.760	0.20	0.50	ug/L	1.00	76.0	0-200				
1,1,1,2-Tetrachloroethane	0.810	0.40	0.50	ug/L	1.00	81.0	0-200				
1,1,2,2-Tetrachloroethane	0.870	0.20	0.50	ug/L	1.00	87.0	0-200				
Tetrachloroethene	0.900	0.50	0.50	ug/L	1.00	90.0	0-200				
Toluene	0.900	0.30	0.50	ug/L	1.00	90.0	0-200				
1,2,3-Trichlorobenzene	0.920	0.40	0.50	ug/L	1.00	92.0	0-200				
1,2,4-Trichlorobenzene	0.860	0.40	0.50	ug/L	1.00	86.0	0-200				
1,1,1-Trichloroethane	0.840	0.40	0.50	ug/L	1.00	84.0	0-200				
1,1,2-Trichloroethane	0.890	0.20	0.50	ug/L	1.00	89.0	0-200				
Trichloroethene	0.890	0.50	0.50	ug/L	1.00	89.0	0-200				
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1.00		0-200				U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1.00		0-200				U
1,2,3-Trichloropropane	0.990	0.50	0.50	ug/L	1.00	99.0	0-200				
1,2,4-Trimethylbenzene	0.750	0.50	0.50	ug/L	1.00	75.0	0-200				
1,3,5-Trimethylbenzene	0.750	0.50	0.50	ug/L	1.00	75.0	0-200				
Vinyl chloride	0.930	0.50	0.50	ug/L	1.00	93.0	0-200				
m,p-Xylene	1.68	0.50	0.50	ug/L	2.00	84.0	0-200				
o-Xylene	0.820	0.50	0.50	ug/L	1.00	82.0	0-200				
Xylenes (total)	2.50	0.50	0.50	ug/L	3.00	83.3	0-200				
Trihalomethanes (total)	ND	0.30	0.50	ug/L	4.00		0-200				U
Methyl tert-butyl ether	1.08	0.50	3.0	ug/L	1.00	108	0-200				J
Ethyl tert-butyl ether	0.920	0.40	0.50	ug/L	1.00	92.0	0-200				
Tert-amyl methyl ether	1.04	0.30	0.50	ug/L	1.00	104	0-200				
Surrogate: Bromofluorobenzene	1.28			ug/L	1.00	128	70-130				
Surrogate: Dibromofluoromethane	0.920			ug/L	1.00	92.0	70-130				
Surrogate: Toluene-d8	1.20			ug/L	1.00	120	70-130				

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Matrix Spike (AI83018-MS1)

Source: 18H2619-01

Prepared: 08/31/18 Analyzed: 09/01/18

Acetone	15.1	2.0	5.0	ug/L	20.0	ND	75.3	70-130			
Acrylonitrile	4.36	0.40	5.0	ug/L	5.00	ND	87.2	70-130			J
Benzene	4.76	0.30	0.30	ug/L	5.00	ND	95.2	70-130			
Bromobenzene	4.98	0.20	0.50	ug/L	5.00	ND	99.6	70-130			
Bromochloromethane	4.97	0.40	0.50	ug/L	5.00	ND	99.4	70-130			
Bromodichloromethane	6.36	0.20	0.50	ug/L	5.00	ND	127	70-130			
Bromoform	3.88	0.30	0.50	ug/L	5.00	ND	77.6	70-130			
Bromomethane	4.08	0.40	0.50	ug/L	5.00	ND	81.6	70-130			
n-Butylbenzene	4.64	0.50	0.50	ug/L	5.00	ND	92.8	70-130			
sec-Butylbenzene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130			
tert-Butylbenzene	5.34	0.50	0.50	ug/L	5.00	ND	107	70-130			
Carbon disulfide	4.73	0.40	0.50	ug/L	5.00	ND	94.6	70-130			
Carbon tetrachloride	5.55	0.30	0.50	ug/L	5.00	ND	111	70-130			
Chlorobenzene	4.95	0.20	0.50	ug/L	5.00	ND	99.0	70-130			
Chloroethane	6.02	0.30	0.50	ug/L	5.00	ND	120	70-130			
Chloroform	6.49	0.30	0.50	ug/L	5.00	ND	130	70-130			
Chloromethane	3.67	0.40	0.50	ug/L	5.00	ND	73.4	70-130			
2-Chlorotoluene	5.31	0.20	0.50	ug/L	5.00	ND	106	70-130			
4-Chlorotoluene	4.92	0.20	0.50	ug/L	5.00	ND	98.4	70-130			
Dibromochloromethane	5.62	0.30	0.50	ug/L	5.00	ND	112	70-130			
1,2-Dibromo-3-chloropropane	4.09	0.50	0.50	ug/L	5.00	ND	81.8	70-130			
1,2-Dibromoethane (EDB)	4.63	0.20	0.50	ug/L	5.00	ND	92.6	70-130			
Dibromomethane	4.70	0.20	0.50	ug/L	5.00	ND	94.0	70-130			
1,2-Dichlorobenzene	4.57	0.20	0.50	ug/L	5.00	ND	91.4	70-130			
1,3-Dichlorobenzene	5.12	0.20	0.50	ug/L	5.00	ND	102	70-130			
1,4-Dichlorobenzene	4.51	0.20	0.50	ug/L	5.00	ND	90.2	70-130			
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L	5.00	ND		70-130			QM-05, U
Dichlorodifluoromethane	4.03	0.50	0.50	ug/L	5.00	ND	80.6	70-130			
1,1-Dichloroethane	5.19	0.20	0.50	ug/L	5.00	ND	104	70-130			
1,2-Dichloroethane	4.60	0.50	0.50	ug/L	5.00	ND	92.0	70-130			
1,1-Dichloroethene	5.58	0.30	0.30	ug/L	5.00	ND	112	70-130			
cis-1,2-Dichloroethene	5.01	0.40	0.50	ug/L	5.00	ND	100	70-130			
trans-1,2-Dichloroethene	5.42	0.40	0.50	ug/L	5.00	ND	108	70-130			
1,2-Dichloropropane	4.54	0.20	0.50	ug/L	5.00	ND	90.8	70-130			

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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Matrix Spike (AI83018-MS1)

Source: 18H2619-01

Prepared: 08/31/18 Analyzed: 09/01/18

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,3-Dichloropropane	4.72	0.50	0.50	ug/L	5.00	ND	94.4	70-130			
2,2-Dichloropropane	5.53	0.30	0.50	ug/L	5.00	ND	111	70-130			
1,1-Dichloropropene	5.64	0.50	0.50	ug/L	5.00	ND	113	70-130			
cis-1,3-Dichloropropene	2.61	0.30	0.50	ug/L	5.00	ND	52.2	70-130			QM-05
trans-1,3-Dichloropropene	2.62	0.30	0.50	ug/L	5.00	ND	52.4	70-130			QM-05
Ethylbenzene	4.83	0.50	0.50	ug/L	5.00	ND	96.6	70-130			
2-Hexanone	3.83	0.50	5.0	ug/L	5.00	ND	76.6	70-130			J
Hexachlorobutadiene	5.92	0.40	0.50	ug/L	5.00	ND	118	70-130			
Isopropylbenzene	5.59	0.50	0.50	ug/L	5.00	ND	112	70-130			
p-Isopropyltoluene	5.49	0.50	0.50	ug/L	5.00	ND	110	70-130			
Methyl ethyl ketone	8.21	0.60	1.0	ug/L	10.0	ND	82.1	70-130			
Methyl iodide	5.01	0.40	2.0	ug/L	5.00	ND	100	70-130			
Methyl isobutyl ketone	7.70	0.80	1.0	ug/L	10.0	ND	77.0	70-130			
Methylene chloride	4.51	0.40	0.50	ug/L	5.00	ND	90.2	70-130			
Naphthalene	4.48	0.50	0.50	ug/L	5.00	ND	89.6	70-130			
n-Propylbenzene	5.35	0.50	0.50	ug/L	5.00	ND	107	70-130			
Styrene	4.50	0.20	0.50	ug/L	5.00	ND	90.0	70-130			
1,1,1,2-Tetrachloroethane	4.87	0.40	0.50	ug/L	5.00	ND	97.4	70-130			
1,1,2,2-Tetrachloroethane	4.61	0.20	0.50	ug/L	5.00	ND	92.2	70-130			
Tetrachloroethene	5.81	0.50	0.50	ug/L	5.00	ND	116	70-130			
Toluene	5.15	0.30	0.50	ug/L	5.00	ND	103	70-130			
1,2,3-Trichlorobenzene	5.23	0.40	0.50	ug/L	5.00	ND	105	70-130			
1,2,4-Trichlorobenzene	5.04	0.40	0.50	ug/L	5.00	ND	101	70-130			
1,1,1-Trichloroethane	5.44	0.40	0.50	ug/L	5.00	ND	109	70-130			
1,1,2-Trichloroethane	4.80	0.20	0.50	ug/L	5.00	ND	96.0	70-130			
Trichloroethene	4.97	0.50	0.50	ug/L	5.00	ND	99.4	70-130			
Trichlorofluoromethane	4.74	0.50	0.50	ug/L	5.00	ND	94.8	70-130			
Trichlorotrifluoroethane	5.91	0.40	0.50	ug/L	5.00	ND	118	70-130			
1,2,3-Trichloropropane	4.71	0.50	0.50	ug/L	5.00	ND	94.2	70-130			
1,2,4-Trimethylbenzene	5.27	0.50	0.50	ug/L	5.00	ND	105	70-130			
1,3,5-Trimethylbenzene	5.27	0.50	0.50	ug/L	5.00	ND	105	70-130			
Vinyl chloride	4.65	0.50	0.50	ug/L	5.00	ND	93.0	70-130			
m,p-Xylene	9.99	0.50	0.50	ug/L	10.0	ND	99.9	70-130			
o-Xylene	4.90	0.50	0.50	ug/L	5.00	ND	98.0	70-130			
Xylenes (total)	14.9	0.50	0.50	ug/L	15.0	ND	99.3	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Matrix Spike (AI83018-MS1)

Source: 18H2619-01

Prepared: 08/31/18 Analyzed: 09/01/18

Methyl tert-butyl ether	4.21	0.50	3.0	ug/L	5.00	ND	84.2	70-130			
Ethyl tert-butyl ether	4.60	0.40	0.50	ug/L	5.00	ND	92.0	70-130			
Tert-amyl methyl ether	4.35	0.30	0.50	ug/L	5.00	ND	87.0	70-130			
Surrogate: Bromofluorobenzene	29.4			ug/L	25.0		118	70-130			
Surrogate: Dibromofluoromethane	31.1			ug/L	25.0		124	70-130			
Surrogate: Toluene-d8	29.1			ug/L	25.0		117	70-130			

Matrix Spike (AI83018-MS2)

Source: 18H2619-02

Prepared: 08/31/18 Analyzed: 09/02/18

Acetone	30.8	2.0	5.0	ug/L	20.0	16.7	71.0	70-130			
Acrylonitrile	6.21	0.40	5.0	ug/L	5.00	ND	124	70-130			
Benzene	5.16	0.30	0.30	ug/L	5.00	ND	103	70-130			
Bromobenzene	5.54	0.20	0.50	ug/L	5.00	ND	111	70-130			
Bromochloromethane	6.05	0.40	0.50	ug/L	5.00	ND	121	70-130			
Bromodichloromethane	7.48	0.20	0.50	ug/L	5.00	ND	150	70-130			QM-05
Bromoform	5.38	0.30	0.50	ug/L	5.00	ND	108	70-130			
Bromomethane	3.51	0.40	0.50	ug/L	5.00	ND	70.2	70-130			
n-Butylbenzene	4.88	0.50	0.50	ug/L	5.00	ND	97.6	70-130			
sec-Butylbenzene	5.93	0.50	0.50	ug/L	5.00	ND	119	70-130			
tert-Butylbenzene	5.82	0.50	0.50	ug/L	5.00	ND	116	70-130			
Carbon disulfide	5.75	0.40	0.50	ug/L	5.00	ND	115	70-130			
Carbon tetrachloride	5.88	0.30	0.50	ug/L	5.00	ND	118	70-130			
Chlorobenzene	5.48	0.20	0.50	ug/L	5.00	ND	110	70-130			
Chloroethane	4.64	0.30	0.50	ug/L	5.00	ND	92.8	70-130			
Chloroform	7.24	0.30	0.50	ug/L	5.00	ND	145	70-130			QM-05
Chloromethane	3.78	0.40	0.50	ug/L	5.00	ND	75.6	70-130			
2-Chlorotoluene	5.91	0.20	0.50	ug/L	5.00	ND	118	70-130			
4-Chlorotoluene	5.46	0.20	0.50	ug/L	5.00	ND	109	70-130			
Dibromochloromethane	6.87	0.30	0.50	ug/L	5.00	ND	137	70-130			QM-05
1,2-Dibromo-3-chloropropane	4.05	0.50	0.50	ug/L	5.00	ND	81.0	70-130			
1,2-Dibromoethane (EDB)	5.23	0.20	0.50	ug/L	5.00	ND	105	70-130			
Dibromomethane	5.35	0.20	0.50	ug/L	5.00	ND	107	70-130			
1,2-Dichlorobenzene	5.15	0.20	0.50	ug/L	5.00	ND	103	70-130			
1,3-Dichlorobenzene	5.71	0.20	0.50	ug/L	5.00	ND	114	70-130			
trans-1,4-Dichloro-2-butene	0.970	0.90	5.0	ug/L	5.00	ND	19.4	70-130			QM-05, J
1,4-Dichlorobenzene	5.15	0.20	0.50	ug/L	5.00	ND	103	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Matrix Spike (AI83018-MS2)

Source: 18H2619-02

Prepared: 08/31/18 Analyzed: 09/02/18

Dichlorodifluoromethane	4.61	0.50	0.50	ug/L	5.00	ND	92.2	70-130			
1,1-Dichloroethane	5.79	0.20	0.50	ug/L	5.00	ND	116	70-130			
1,2-Dichloroethane	5.22	0.50	0.50	ug/L	5.00	ND	104	70-130			
1,1-Dichloroethene	6.30	0.30	0.30	ug/L	5.00	ND	126	70-130			
cis-1,2-Dichloroethene	5.72	0.40	0.50	ug/L	5.00	ND	114	70-130			
trans-1,2-Dichloroethene	6.03	0.40	0.50	ug/L	5.00	ND	121	70-130			
1,2-Dichloropropane	5.01	0.20	0.50	ug/L	5.00	ND	100	70-130			
1,3-Dichloropropane	5.32	0.50	0.50	ug/L	5.00	ND	106	70-130			
2,2-Dichloropropane	5.14	0.30	0.50	ug/L	5.00	ND	103	70-130			
1,1-Dichloropropene	5.66	0.50	0.50	ug/L	5.00	ND	113	70-130			
cis-1,3-Dichloropropene	3.60	0.30	0.50	ug/L	5.00	ND	72.0	70-130			
trans-1,3-Dichloropropene	3.61	0.30	0.50	ug/L	5.00	ND	72.2	70-130			
2-Hexanone	4.65	0.50	5.0	ug/L	5.00	ND	93.0	70-130			J
Ethylbenzene	5.23	0.50	0.50	ug/L	5.00	ND	105	70-130			
Hexachlorobutadiene	6.21	0.40	0.50	ug/L	5.00	ND	124	70-130			
Isopropylbenzene	6.06	0.50	0.50	ug/L	5.00	ND	121	70-130			
p-Isopropyltoluene	5.92	0.50	0.50	ug/L	5.00	ND	118	70-130			
Methyl ethyl ketone	12.6	0.60	1.0	ug/L	10.0	ND	126	70-130			
Methyl iodide	5.25	0.40	2.0	ug/L	5.00	ND	105	70-130			
Methyl isobutyl ketone	9.41	0.80	1.0	ug/L	10.0	ND	94.1	70-130			
Methylene chloride	5.32	0.40	0.50	ug/L	5.00	ND	106	70-130			
Naphthalene	4.91	0.50	0.50	ug/L	5.00	ND	98.2	70-130			
n-Propylbenzene	5.85	0.50	0.50	ug/L	5.00	ND	117	70-130			
Styrene	4.69	0.20	0.50	ug/L	5.00	ND	93.8	70-130			
1,1,1,2-Tetrachloroethane	5.44	0.40	0.50	ug/L	5.00	ND	109	70-130			
1,1,2,2-Tetrachloroethane	5.18	0.20	0.50	ug/L	5.00	ND	104	70-130			
Tetrachloroethene	6.05	0.50	0.50	ug/L	5.00	ND	121	70-130			
Toluene	5.61	0.30	0.50	ug/L	5.00	ND	112	70-130			
1,2,3-Trichlorobenzene	5.85	0.40	0.50	ug/L	5.00	ND	117	70-130			
1,2,4-Trichlorobenzene	5.57	0.40	0.50	ug/L	5.00	ND	111	70-130			
1,1,1-Trichloroethane	5.76	0.40	0.50	ug/L	5.00	ND	115	70-130			
1,1,2-Trichloroethane	5.25	0.20	0.50	ug/L	5.00	ND	105	70-130			
Trichloroethene	5.37	0.50	0.50	ug/L	5.00	ND	107	70-130			
Trichlorofluoromethane	4.80	0.50	0.50	ug/L	5.00	ND	96.0	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83018 - VOAs in Water GCMS

Matrix Spike (AI83018-MS2)

Source: 18H2619-02

Prepared: 08/31/18 Analyzed: 09/02/18

Trichlorotrifluoroethane	6.49	0.40	0.50	ug/L	5.00	ND	130	70-130			
1,2,3-Trichloropropane	5.37	0.50	0.50	ug/L	5.00	ND	107	70-130			
1,2,4-Trimethylbenzene	5.74	0.50	0.50	ug/L	5.00	ND	115	70-130			
1,3,5-Trimethylbenzene	5.74	0.50	0.50	ug/L	5.00	ND	115	70-130			
Vinyl chloride	4.07	0.50	0.50	ug/L	5.00	ND	81.4	70-130			
m,p-Xylene	11.2	0.50	0.50	ug/L	10.0	ND	112	70-130			
o-Xylene	5.49	0.50	0.50	ug/L	5.00	ND	110	70-130			
Xylenes (total)	16.7	0.50	0.50	ug/L	15.0	ND	111	70-130			
Methyl tert-butyl ether	4.78	0.50	3.0	ug/L	5.00	ND	95.6	70-130			
Ethyl tert-butyl ether	5.25	0.40	0.50	ug/L	5.00	ND	105	70-130			
Tert-amyl methyl ether	4.86	0.30	0.50	ug/L	5.00	ND	97.2	70-130			
Surrogate: Bromofluorobenzene	29.7			ug/L	25.0		119	70-130			
Surrogate: Dibromofluoromethane	30.8			ug/L	25.0		123	70-130			
Surrogate: Toluene-d8	28.5			ug/L	25.0		114	70-130			



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Blank (AI83117-BLK1)

Prepared: 09/04/18 Analyzed: 09/05/18

Acetone	ND	0.90	5.0	ug/L							U
Acetonitrile	ND	50	100	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Allyl chloride	ND	0.40	10	ug/L							U
Benzene	ND	0.30	0.30	ug/L							U
Bromobenzene	ND	0.40	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.40	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.40	0.50	ug/L							U
sec-Butylbenzene	ND	0.40	0.50	ug/L							U
tert-Butylbenzene	ND	0.30	0.50	ug/L							U
Carbon disulfide	ND	0.40	5.0	ug/L							U
Carbon tetrachloride	ND	0.40	0.50	ug/L							U
Chlorobenzene	ND	0.30	0.50	ug/L							U
Chloroethane	ND	0.40	0.50	ug/L							U
Chloroform	ND	0.40	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
Chloroprene	ND	0.40	1.0	ug/L							U
2-Chlorotoluene	ND	0.40	0.50	ug/L							U
4-Chlorotoluene	ND	0.30	0.50	ug/L							U
Dibromochloromethane	ND	0.40	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L							U
Dibromomethane	ND	0.40	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.30	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethane	ND	0.50	0.50	ug/L							U
1,2-Dichloroethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.50	ug/L							U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Blank (AI83117-BLK1)

Prepared: 09/04/18 Analyzed: 09/05/18

cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
1,2-Dichloropropane	ND	0.40	0.50	ug/L							U
1,3-Dichloropropane	ND	0.40	0.50	ug/L							U
2,2-Dichloropropane	ND	0.50	0.50	ug/L							U
1,1-Dichloropropene	ND	0.40	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
Diethyl ether	ND	0.50	1.0	ug/L							U
Di-isopropyl ether	ND	0.40	0.50	ug/L							U
Ethyl methacrylate	ND	0.30	10	ug/L							U
Ethanol	ND	50	50	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Hexachlorobutadiene	ND	0.50	0.50	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Hexachloroethane	ND	0.40	1.0	ug/L							U
2-Hexanone	ND	4.0	5.0	ug/L							U
Isobutanol	ND	40	100	ug/L							U
Isopropylbenzene	ND	0.40	0.50	ug/L							U
p-Isopropyltoluene	ND	0.40	0.50	ug/L							U
Methylene chloride	ND	0.50	0.50	ug/L							U
Methacrylonitrile	ND	0.40	1.0	ug/L							U
Methyl ethyl ketone	ND	0.70	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L							U
Methyl methacrylate	ND	0.40	1.0	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
Propionitrile	ND	20	50	ug/L							U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.40	0.50	ug/L							U
Styrene	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L							U
Tert-butyl alcohol	ND	6.0	10	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L							U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Blank (AI83117-BLK1)

Prepared: 09/04/18 Analyzed: 09/05/18

Tetrachloroethene	ND	0.40	0.50	ug/L							U
Tetrahydrofuran	ND	4.0	5.0	ug/L							U
Toluene	ND	0.30	0.30	ug/L							U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L							U
Trichloroethene	ND	0.40	0.50	ug/L							U
Trichlorofluoromethane	ND	0.50	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.50	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L							U
Vinyl acetate	ND	0.80	1.0	ug/L							U
Vinyl chloride	ND	0.40	0.50	ug/L							U
m,p-Xylene	ND	0.50	0.50	ug/L							U
o-Xylene	ND	0.40	0.50	ug/L							U
Xylenes (total)	ND	0.50	0.50	ug/L							U
Surrogate: Bromofluorobenzene	30.3			ug/L	25.0		121	70-130			
Surrogate: Dibromofluoromethane	25.6			ug/L	25.0		102	70-130			
Surrogate: Toluene-d8	29.4			ug/L	25.0		117	70-130			

LCS (AI83117-BS1)

Prepared: 09/04/18 Analyzed: 09/05/18

Acetone	73.4	0.90	5.0	ug/L	80.0		91.7	48-124			
Acetonitrile	1520	50	100	ug/L	2000		76.2	70-130			
Acrylonitrile	20.8	0.40	5.0	ug/L	20.0		104	70-130			
Allyl chloride	24.1	0.40	10	ug/L	20.0		120	70-130			
Benzene	20.6	0.30	0.30	ug/L	20.0		103	82-122			
Bromobenzene	20.7	0.40	0.50	ug/L	20.0		104	83-122			
Bromochloromethane	19.8	0.40	0.50	ug/L	20.0		99.1	83-124			
Bromodichloromethane	21.0	0.40	0.50	ug/L	20.0		105	86-135			
Bromoform	19.0	0.30	0.50	ug/L	20.0		95.0	76-144			
Bromomethane	22.1	0.40	0.50	ug/L	20.0		111	69-145			
n-Butylbenzene	19.1	0.40	0.50	ug/L	20.0		95.4	79-132			
sec-Butylbenzene	20.9	0.40	0.50	ug/L	20.0		104	86-132			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

LCS (AI83117-BS1)

Prepared: 09/04/18 Analyzed: 09/05/18

tert-Butylbenzene	22.4	0.30	0.50	ug/L	20.0		112	82-126			
Carbon disulfide	18.6	0.40	5.0	ug/L	20.0		92.8	70-130			
Carbon tetrachloride	20.8	0.40	0.50	ug/L	20.0		104	77-134			
Chlorobenzene	19.9	0.30	0.50	ug/L	20.0		99.5	84-119			
Chloroethane	19.7	0.40	0.50	ug/L	20.0		98.4	68-133			
Chloroform	20.3	0.40	0.50	ug/L	20.0		101	81-122			
Chloromethane	22.3	0.40	0.50	ug/L	20.0		112	63-129			
Chloroprene	22.3	0.40	1.0	ug/L	20.0		112	70-130			
2-Chlorotoluene	21.5	0.40	0.50	ug/L	20.0		108	79-132			
4-Chlorotoluene	21.4	0.30	0.50	ug/L	20.0		107	80-122			
Dibromochloromethane	19.3	0.40	0.50	ug/L	20.0		96.6	83-135			
1,2-Dibromo-3-chloropropane	19.2	0.60	2.0	ug/L	20.0		96.2	73-128			
1,2-Dibromoethane (EDB)	21.2	0.40	0.50	ug/L	20.0		106	80-120			
Dibromomethane	20.1	0.40	0.50	ug/L	20.0		101	82-124			
1,2-Dichlorobenzene	20.8	0.40	0.50	ug/L	20.0		104	84-121			
1,3-Dichlorobenzene	19.5	0.40	0.50	ug/L	20.0		97.4	80-120			
1,4-Dichlorobenzene	19.6	0.30	0.50	ug/L	20.0		97.9	84-120			
trans-1,4-Dichloro-2-butene	21.7	0.50	5.0	ug/L	20.0		108	70-130			
Dichlorodifluoromethane	25.3	0.40	0.50	ug/L	20.0		127	52-142			
1,1-Dichloroethane	20.8	0.50	0.50	ug/L	20.0		104	81-126			
1,2-Dichloroethane	19.0	0.40	0.50	ug/L	20.0		94.8	77-117			
1,1-Dichloroethene	19.9	0.30	0.50	ug/L	20.0		99.4	71-151			
cis-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0		102	84-131			
trans-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0		102	79-128			
1,2-Dichloropropane	20.6	0.40	0.50	ug/L	20.0		103	82-125			
1,3-Dichloropropane	20.9	0.40	0.50	ug/L	20.0		105	83-120			
2,2-Dichloropropane	16.4	0.50	0.50	ug/L	20.0		82.2	80-125			
1,1-Dichloropropene	22.4	0.40	0.50	ug/L	20.0		112	85-130			
cis-1,3-Dichloropropene	19.7	0.40	0.50	ug/L	20.0		98.7	83-128			
trans-1,3-Dichloropropene	19.6	0.40	0.50	ug/L	20.0		98.2	67-129			
Diethyl ether	20.2	0.50	1.0	ug/L	20.0		101	70-130			
Di-isopropyl ether	21.8	0.40	0.50	ug/L	20.0		109	83-132			
Ethylbenzene	21.7	0.40	0.50	ug/L	20.0		109	84-124			
Ethyl methacrylate	20.2	0.30	10	ug/L	20.0		101	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

LCS (AI83117-BS1)

Prepared: 09/04/18 Analyzed: 09/05/18

Ethanol	817	50	50	ug/L	980		83.4	50-150			
Hexachloroethane	19.6	0.40	1.0	ug/L	20.0		98.0	70-130			
Ethyl tert-butyl ether	26.0	0.40	0.50	ug/L	20.0		130	74-127			QL-03
Hexachlorobutadiene	18.4	0.50	0.50	ug/L	20.0		92.0	75-135			
2-Hexanone	20.6	4.0	5.0	ug/L	20.0		103	70-130			
Isobutanol	1770	40	100	ug/L	2000		88.6	70-130			
Isopropylbenzene	22.2	0.40	0.50	ug/L	20.0		111	75-116			
p-Isopropyltoluene	21.8	0.40	0.50	ug/L	20.0		109	78-124			
Methylene chloride	19.4	0.50	0.50	ug/L	20.0		96.8	72-132			
Methacrylonitrile	19.6	0.40	1.0	ug/L	20.0		98.2	70-130			
Methyl ethyl ketone	35.9	0.70	1.0	ug/L	40.0		89.8	58-157			
Methyl iodide	20.0	0.40	2.0	ug/L	20.0		100	56-167			
Methyl isobutyl ketone	40.5	0.60	1.0	ug/L	40.0		101	70-130			
Methyl methacrylate	21.1	0.40	1.0	ug/L	20.0		105	70-130			
Propionitrile	900	20	50	ug/L	1000		90.0	70-130			
Methyl tert-butyl ether	19.4	0.50	0.50	ug/L	20.0		97.0	84-119			
Naphthalene	19.7	0.50	0.50	ug/L	20.0		98.7	84-134			
n-Propylbenzene	21.9	0.40	0.50	ug/L	20.0		110	75-127			
Styrene	21.1	0.40	0.50	ug/L	20.0		105	80-125			
Tert-amyl methyl ether	20.9	0.40	0.50	ug/L	20.0		104	74-120			
Tert-butyl alcohol	342	6.0	10	ug/L	400		85.6	66-147			
1,1,1,2-Tetrachloroethane	21.4	0.40	0.50	ug/L	20.0		107	80-132			
1,1,2,2-Tetrachloroethane	18.4	0.30	0.50	ug/L	20.0		92.2	84-115			
Tetrachloroethene	19.5	0.40	0.50	ug/L	20.0		97.6	56-156			
Tetrahydrofuran	21.1	4.0	5.0	ug/L	20.0		106	70-130			
Toluene	21.3	0.30	0.30	ug/L	20.0		107	76-137			
1,2,4-Trichlorobenzene	21.9	0.20	0.50	ug/L	20.0		110	84-126			
1,2,3-Trichlorobenzene	19.6	0.50	0.50	ug/L	20.0		98.0	85-133			
1,1,1-Trichloroethane	21.1	0.40	0.50	ug/L	20.0		105	70-130			
1,1,2-Trichloroethane	20.6	0.40	0.50	ug/L	20.0		103	83-122			
Trichloroethene	21.8	0.40	0.50	ug/L	20.0		109	84-123			
Trichlorofluoromethane	21.2	0.50	0.50	ug/L	20.0		106	74-130			
1,2,3-Trichloropropane	20.7	0.40	0.50	ug/L	20.0		103	78-122			
Trichlorotrifluoroethane	19.9	0.50	0.50	ug/L	20.0		99.4	82-125			
1,2,4-Trimethylbenzene	20.7	0.40	0.50	ug/L	20.0		103	85-127			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

LCS (AI83117-BS1)

Prepared: 09/04/18 Analyzed: 09/05/18

1,3,5-Trimethylbenzene	20.3	0.30	0.50	ug/L	20.0		102	80-125			
Vinyl acetate	30.4	0.80	1.0	ug/L	40.0		76.0	60-140			
Vinyl chloride	21.6	0.40	0.50	ug/L	20.0		108	70-130			
m,p-Xylene	43.3	0.50	0.50	ug/L	40.0		108	81-124			
o-Xylene	21.2	0.40	0.50	ug/L	20.0		106	80-126			
Xylenes (total)	64.5	0.50	0.50	ug/L	60.0		108	81-126			
Surrogate: Bromofluorobenzene	29.5			ug/L	25.0		118	70-130			
Surrogate: Dibromofluoromethane	26.9			ug/L	25.0		107	70-130			
Surrogate: Toluene-d8	27.6			ug/L	25.0		111	70-130			

LCS Dup (AI83117-BS1)

Prepared: 09/04/18 Analyzed: 09/05/18

Acetone	73.0	0.90	5.0	ug/L	80.0		91.2	48-124	0.574	25	
Acetonitrile	1520	50	100	ug/L	2000		76.1	70-130	0.115	25	
Allyl chloride	24.0	0.40	10	ug/L	20.0		120	70-130	0.416	25	
Acrylonitrile	18.8	0.40	5.0	ug/L	20.0		93.9	70-130	10.1	25	
Benzene	20.7	0.30	0.30	ug/L	20.0		104	82-122	0.581	25	
Bromobenzene	20.5	0.40	0.50	ug/L	20.0		102	83-122	1.17	25	
Bromochloromethane	19.5	0.40	0.50	ug/L	20.0		97.3	83-124	1.83	25	
Bromodichloromethane	21.7	0.40	0.50	ug/L	20.0		108	86-135	3.14	25	
Bromoform	19.2	0.30	0.50	ug/L	20.0		95.9	76-144	0.943	25	
Bromomethane	24.6	0.40	0.50	ug/L	20.0		123	69-145	10.5	25	
n-Butylbenzene	19.4	0.40	0.50	ug/L	20.0		96.9	79-132	1.61	25	
sec-Butylbenzene	20.7	0.40	0.50	ug/L	20.0		104	86-132	0.673	25	
tert-Butylbenzene	22.4	0.30	0.50	ug/L	20.0		112	82-126	0.134	25	
Carbon disulfide	20.0	0.40	5.0	ug/L	20.0		100	70-130	7.56	30	
Carbon tetrachloride	22.2	0.40	0.50	ug/L	20.0		111	77-134	6.38	25	
Chlorobenzene	19.8	0.30	0.50	ug/L	20.0		99.2	84-119	0.252	25	
Chloroethane	20.4	0.40	0.50	ug/L	20.0		102	68-133	3.64	25	
Chloroform	20.4	0.40	0.50	ug/L	20.0		102	81-122	0.885	25	
Chloromethane	23.9	0.40	0.50	ug/L	20.0		119	63-129	6.80	25	
Chloroprene	23.5	0.40	1.0	ug/L	20.0		118	70-130	5.37	25	
2-Chlorotoluene	21.4	0.40	0.50	ug/L	20.0		107	79-132	0.465	25	
4-Chlorotoluene	21.5	0.30	0.50	ug/L	20.0		107	80-122	0.0466	25	
Dibromochloromethane	19.6	0.40	0.50	ug/L	20.0		97.8	83-135	1.23	25	
1,2-Dibromo-3-chloropropane	20.1	0.60	2.0	ug/L	20.0		101	73-128	4.47	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

LCS Dup (AI83117-BSD1)

Prepared: 09/04/18 Analyzed: 09/05/18

1,2-Dibromoethane (EDB)	21.2	0.40	0.50	ug/L	20.0		106	80-120	0.0945	25	
Dibromomethane	19.8	0.40	0.50	ug/L	20.0		99.0	82-124	1.65	25	
1,2-Dichlorobenzene	20.4	0.40	0.50	ug/L	20.0		102	84-121	2.14	25	
1,3-Dichlorobenzene	19.5	0.40	0.50	ug/L	20.0		97.4	80-120	0.00	25	
1,4-Dichlorobenzene	19.8	0.30	0.50	ug/L	20.0		99.2	84-120	1.32	25	
trans-1,4-Dichloro-2-butene	22.3	0.50	5.0	ug/L	20.0		112	70-130	2.91	25	
Dichlorodifluoromethane	25.8	0.40	0.50	ug/L	20.0		129	52-142	1.88	25	
1,1-Dichloroethane	21.0	0.50	0.50	ug/L	20.0		105	81-126	1.24	25	
1,2-Dichloroethane	20.2	0.40	0.50	ug/L	20.0		101	77-117	6.38	25	
1,1-Dichloroethene	20.7	0.30	0.50	ug/L	20.0		103	71-151	3.85	25	
cis-1,2-Dichloroethene	20.5	0.40	0.50	ug/L	20.0		103	84-131	1.03	25	
trans-1,2-Dichloroethene	20.8	0.40	0.50	ug/L	20.0		104	79-128	2.24	25	
1,2-Dichloropropane	20.6	0.40	0.50	ug/L	20.0		103	82-125	0.0487	25	
1,3-Dichloropropane	20.5	0.40	0.50	ug/L	20.0		102	83-120	2.17	25	
2,2-Dichloropropane	19.1	0.50	0.50	ug/L	20.0		95.3	80-125	14.8	25	
1,1-Dichloropropene	22.9	0.40	0.50	ug/L	20.0		114	85-130	1.94	25	
cis-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0		102	83-128	3.39	25	
trans-1,3-Dichloropropene	20.3	0.40	0.50	ug/L	20.0		102	67-129	3.30	25	
Diethyl ether	19.7	0.50	1.0	ug/L	20.0		98.3	70-130	2.91	25	
Di-isopropyl ether	21.6	0.40	0.50	ug/L	20.0		108	83-132	0.461	25	
Ethanol	792	50	50	ug/L	980		80.8	50-150	3.15	25	
Ethyl methacrylate	20.4	0.30	10	ug/L	20.0		102	70-130	0.837	25	
Ethylbenzene	21.8	0.40	0.50	ug/L	20.0		109	84-124	0.505	25	
Ethyl tert-butyl ether	26.0	0.40	0.50	ug/L	20.0		130	74-127	0.116	25	QL-03
Hexachlorobutadiene	19.2	0.50	0.50	ug/L	20.0		96.2	75-135	4.41	25	
Hexachloroethane	20.4	0.40	1.0	ug/L	20.0		102	70-130	4.20	25	
2-Hexanone	21.2	4.0	5.0	ug/L	20.0		106	70-130	2.82	30	
Isopropylbenzene	22.2	0.40	0.50	ug/L	20.0		111	75-116	0.225	25	
Isobutanol	1740	40	100	ug/L	2000		87.0	70-130	1.83	25	
p-Isopropyltoluene	21.8	0.40	0.50	ug/L	20.0		109	78-124	0.0919	25	
Methylene chloride	19.3	0.50	0.50	ug/L	20.0		96.7	72-132	0.103	25	
Methacrylonitrile	19.0	0.40	1.0	ug/L	20.0		94.8	70-130	3.58	25	
Methyl ethyl ketone	35.4	0.70	1.0	ug/L	40.0		88.6	58-157	1.35	25	
Methyl iodide	21.9	0.40	2.0	ug/L	20.0		109	56-167	8.94	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

LCS Dup (AI83117-BSD1)

Prepared: 09/04/18 Analyzed: 09/05/18

Methyl methacrylate	21.1	0.40	1.0	ug/L	20.0	105	70-130	0.0475	25	
Methyl isobutyl ketone	40.7	0.60	1.0	ug/L	40.0	102	70-130	0.419	25	
Naphthalene	19.6	0.50	0.50	ug/L	20.0	98.2	84-134	0.457	25	
Methyl tert-butyl ether	19.3	0.50	0.50	ug/L	20.0	96.3	84-119	0.776	25	
Propionitrile	901	20	50	ug/L	1000	90.1	70-130	0.0111	25	
n-Propylbenzene	22.1	0.40	0.50	ug/L	20.0	110	75-127	0.728	25	
Styrene	21.0	0.40	0.50	ug/L	20.0	105	80-125	0.523	25	
Tert-amyl methyl ether	21.0	0.40	0.50	ug/L	20.0	105	74-120	0.621	25	
Tert-butyl alcohol	348	6.0	10	ug/L	400	87.0	66-147	1.64	25	
1,1,1,2-Tetrachloroethane	21.9	0.40	0.50	ug/L	20.0	110	80-132	2.12	25	
1,1,2,2-Tetrachloroethane	18.7	0.30	0.50	ug/L	20.0	93.6	84-115	1.51	25	
Tetrachloroethene	19.8	0.40	0.50	ug/L	20.0	98.8	56-156	1.27	25	
Tetrahydrofuran	19.2	4.0	5.0	ug/L	20.0	96.0	70-130	9.43	25	
Toluene	21.7	0.30	0.30	ug/L	20.0	108	76-137	1.77	25	
1,2,3-Trichlorobenzene	19.7	0.50	0.50	ug/L	20.0	98.7	85-133	0.661	25	
1,2,4-Trichlorobenzene	21.8	0.20	0.50	ug/L	20.0	109	84-126	0.549	25	
1,1,1-Trichloroethane	22.0	0.40	0.50	ug/L	20.0	110	70-130	4.14	25	
1,1,2-Trichloroethane	20.3	0.40	0.50	ug/L	20.0	101	83-122	1.71	25	
Trichloroethene	21.6	0.40	0.50	ug/L	20.0	108	84-123	1.24	25	
Trichlorofluoromethane	22.9	0.50	0.50	ug/L	20.0	114	74-130	7.95	25	
1,2,3-Trichloropropane	20.5	0.40	0.50	ug/L	20.0	102	78-122	1.07	25	
Trichlorotrifluoroethane	20.4	0.50	0.50	ug/L	20.0	102	82-125	2.73	25	
1,2,4-Trimethylbenzene	20.4	0.40	0.50	ug/L	20.0	102	85-127	1.36	25	
1,3,5-Trimethylbenzene	20.2	0.30	0.50	ug/L	20.0	101	80-125	0.642	25	
Vinyl acetate	34.9	0.80	1.0	ug/L	40.0	87.2	60-140	13.8	25	
Vinyl chloride	22.5	0.40	0.50	ug/L	20.0	112	70-130	4.04	25	
m,p-Xylene	43.4	0.50	0.50	ug/L	40.0	108	81-124	0.254	25	
o-Xylene	21.3	0.40	0.50	ug/L	20.0	106	80-126	0.141	25	
Xylenes (total)	64.7	0.50	0.50	ug/L	60.0	108	81-126	0.217	25	
Surrogate: Bromofluorobenzene	29.6			ug/L	25.0	119	70-130			
Surrogate: Dibromofluoromethane	27.0			ug/L	25.0	108	70-130			
Surrogate: Toluene-d8	27.9			ug/L	25.0	112	70-130			



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Matrix Spike (AI83117-MS1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

Acetone	84.1	0.90	5.0	ug/L	80.0	ND	105	32-164			
Acetonitrile	1780	50	100	ug/L	2000	ND	89.0	70-130			
Acrylonitrile	22.9	0.40	5.0	ug/L	20.0	ND	114	70-130			
Allyl chloride	25.4	0.40	10	ug/L	20.0	ND	127	70-130			
Benzene	22.8	0.30	0.30	ug/L	20.0	ND	114	58-139			
Bromobenzene	21.5	0.40	0.50	ug/L	20.0	ND	108	63-143			
Bromochloromethane	21.4	0.40	0.50	ug/L	20.0	ND	107	60-141			
Bromodichloromethane	23.3	0.40	0.50	ug/L	20.0	ND	116	62-140			
Bromoform	19.9	0.30	0.50	ug/L	20.0	ND	99.5	47-165			
Bromomethane	29.8	0.40	0.50	ug/L	20.0	ND	149	30-163			
n-Butylbenzene	21.6	0.40	0.50	ug/L	20.0	ND	108	57-147			
sec-Butylbenzene	23.6	0.40	0.50	ug/L	20.0	ND	118	64-155			
tert-Butylbenzene	24.8	0.30	0.50	ug/L	20.0	ND	124	57-150			
Carbon disulfide	22.6	0.40	5.0	ug/L	20.0	ND	113	70-130			
Carbon tetrachloride	25.3	0.40	0.50	ug/L	20.0	ND	127	65-153			
Chlorobenzene	21.1	0.30	0.50	ug/L	20.0	ND	106	58-137			
Chloroethane	22.6	0.40	0.50	ug/L	20.0	ND	113	59-141			
Chloroform	22.2	0.40	0.50	ug/L	20.0	ND	111	36-151			
Chloroprene	25.9	0.40	1.0	ug/L	20.0	ND	130	70-130			
Chloromethane	25.1	0.40	0.50	ug/L	20.0	ND	125	69-149			
2-Chlorotoluene	23.0	0.40	0.50	ug/L	20.0	ND	115	54-150			
4-Chlorotoluene	23.1	0.30	0.50	ug/L	20.0	ND	116	59-140			
Dibromochloromethane	20.4	0.40	0.50	ug/L	20.0	ND	102	54-157			
1,2-Dibromo-3-chloropropane	19.3	0.60	2.0	ug/L	20.0	ND	96.7	54-137			
1,2-Dibromoethane (EDB)	21.9	0.40	0.50	ug/L	20.0	ND	109	40-147			
Dibromomethane	21.3	0.40	0.50	ug/L	20.0	ND	107	59-139			
1,2-Dichlorobenzene	21.0	0.40	0.50	ug/L	20.0	ND	105	39-145			
1,3-Dichlorobenzene	20.9	0.40	0.50	ug/L	20.0	ND	104	54-137			
1,4-Dichlorobenzene	20.4	0.30	0.50	ug/L	20.0	ND	102	41-142			
trans-1,4-Dichloro-2-butene	24.5	0.50	5.0	ug/L	20.0	ND	122	70-130			
Dichlorodifluoromethane	32.0	0.40	0.50	ug/L	20.0	ND	160	39-162			
1,1-Dichloroethane	23.0	0.50	0.50	ug/L	20.0	ND	115	39-146			
1,2-Dichloroethane	21.8	0.40	0.50	ug/L	20.0	ND	109	58-133			
1,1-Dichloroethene	21.4	0.30	0.50	ug/L	20.0	ND	107	70-154			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Matrix Spike (AI83117-MS1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

cis-1,2-Dichloroethene	22.2	0.40	0.50	ug/L	20.0	ND	111	66-141			
trans-1,2-Dichloroethene	22.6	0.40	0.50	ug/L	20.0	ND	113	59-151			
1,2-Dichloropropane	22.0	0.40	0.50	ug/L	20.0	ND	110	41-142			
1,3-Dichloropropane	21.4	0.40	0.50	ug/L	20.0	ND	107	62-139			
2,2-Dichloropropane	26.8	0.50	0.50	ug/L	20.0	ND	134	40-167			
1,1-Dichloropropene	25.6	0.40	0.50	ug/L	20.0	ND	128	58-148			
cis-1,3-Dichloropropene	21.7	0.40	0.50	ug/L	20.0	ND	108	50-140			
trans-1,3-Dichloropropene	21.2	0.40	0.50	ug/L	20.0	ND	106	40-144			
Diethyl ether	21.6	0.50	1.0	ug/L	20.0	ND	108	70-130			
Di-isopropyl ether	23.2	0.40	0.50	ug/L	20.0	ND	116	49-143			
Ethanol	867	50	50	ug/L	980	ND	88.5	50-150			
Ethyl methacrylate	20.8	0.30	10	ug/L	20.0	ND	104	70-130			
Ethylbenzene	23.8	0.40	0.50	ug/L	20.0	ND	119	59-147			
Hexachlorobutadiene	20.4	0.50	0.50	ug/L	20.0	ND	102	56-149			
Ethyl tert-butyl ether	28.8	0.40	0.50	ug/L	20.0	ND	144	44-143			QM-05
Hexachloroethane	21.2	0.40	1.0	ug/L	20.0	ND	106	70-130			
2-Hexanone	20.7	4.0	5.0	ug/L	20.0	ND	104	70-130			
Isobutanol	1930	40	100	ug/L	2000	ND	96.3	70-130			
Isopropylbenzene	24.8	0.40	0.50	ug/L	20.0	ND	124	56-134			
p-Isopropyltoluene	24.8	0.40	0.50	ug/L	20.0	ND	124	54-148			
Methylene chloride	21.6	0.50	0.50	ug/L	20.0	ND	108	43-143			
Methacrylonitrile	21.9	0.40	1.0	ug/L	20.0	ND	110	70-130			
Methyl ethyl ketone	41.8	0.70	1.0	ug/L	40.0	ND	105	62-126			
Methyl iodide	23.2	0.40	2.0	ug/L	20.0	ND	116	70-130			
Methyl methacrylate	22.1	0.40	1.0	ug/L	20.0	ND	110	70-130			
Methyl isobutyl ketone	42.3	0.60	1.0	ug/L	40.0	ND	106	66-127			
Propionitrile	1210	20	50	ug/L	1000	ND	121	70-130			
Naphthalene	19.3	0.50	0.50	ug/L	20.0	ND	96.5	52-157			
Methyl tert-butyl ether	20.2	0.50	0.50	ug/L	20.0	ND	101	55-144			
n-Propylbenzene	24.6	0.40	0.50	ug/L	20.0	ND	123	55-145			
Styrene	22.5	0.40	0.50	ug/L	20.0	ND	112	51-157			
Tert-amyl methyl ether	21.9	0.40	0.50	ug/L	20.0	ND	109	41-136			
Tert-butyl alcohol	383	6.0	10	ug/L	400	ND	95.8	38-175			
1,1,1,2-Tetrachloroethane	22.8	0.40	0.50	ug/L	20.0	ND	114	58-146			
1,1,2,2-Tetrachloroethane	20.8	0.30	0.50	ug/L	20.0	ND	104	73-127			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Matrix Spike (AI83117-MS1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

Tetrachloroethene	22.7	0.40	0.50	ug/L	20.0	ND	114	49-148			
Tetrahydrofuran	22.3	4.0	5.0	ug/L	20.0	ND	112	70-130			
Toluene	23.2	0.30	0.30	ug/L	20.0	ND	116	59-147			
1,2,3-Trichlorobenzene	20.3	0.50	0.50	ug/L	20.0	ND	101	50-161			
1,2,4-Trichlorobenzene	22.9	0.20	0.50	ug/L	20.0	ND	115	50-150			
1,1,1-Trichloroethane	24.5	0.40	0.50	ug/L	20.0	ND	122	38-164			
1,1,2-Trichloroethane	21.0	0.40	0.50	ug/L	20.0	ND	105	46-136			
Trichloroethene	22.9	0.40	0.50	ug/L	20.0	ND	115	58-140			
Trichlorofluoromethane	26.4	0.50	0.50	ug/L	20.0	ND	132	56-144			
1,2,3-Trichloropropane	21.0	0.40	0.50	ug/L	20.0	ND	105	61-139			
Trichlorotrifluoroethane	24.3	0.50	0.50	ug/L	20.0	ND	122	59-139			
1,2,4-Trimethylbenzene	22.5	0.40	0.50	ug/L	20.0	ND	113	58-152			
1,3,5-Trimethylbenzene	22.4	0.30	0.50	ug/L	20.0	ND	112	58-148			
Vinyl acetate	51.2	0.80	1.0	ug/L	40.0	ND	128	70-130			
Vinyl chloride	25.5	0.40	0.50	ug/L	20.0	ND	127	53-160			
m,p-Xylene	46.9	0.50	0.50	ug/L	40.0	ND	117	53-147			
o-Xylene	22.7	0.40	0.50	ug/L	20.0	ND	114	55-148			
Xylenes (total)	69.6	0.50	0.50	ug/L	60.0	ND	116	49-153			
Surrogate: Bromofluorobenzene	30.7			ug/L	25.0		123	70-130			
Surrogate: Dibromofluoromethane	27.7			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	28.1			ug/L	25.0		112	70-130			

Matrix Spike Dup (AI83117-MSD1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

Acetone	82.4	0.90	5.0	ug/L	80.0	ND	103	32-164	1.99	25	
Acetonitrile	2080	50	100	ug/L	2000	ND	104	70-130	15.5	25	
Allyl chloride	23.5	0.40	10	ug/L	20.0	ND	118	70-130	7.84	25	
Acrylonitrile	22.6	0.40	5.0	ug/L	20.0	ND	113	70-130	1.27	25	
Benzene	22.5	0.30	0.30	ug/L	20.0	ND	112	58-139	1.33	25	
Bromobenzene	21.0	0.40	0.50	ug/L	20.0	ND	105	63-143	2.40	25	
Bromochloromethane	21.0	0.40	0.50	ug/L	20.0	ND	105	60-141	2.07	25	
Bromodichloromethane	23.1	0.40	0.50	ug/L	20.0	ND	115	62-140	0.906	25	
Bromoform	19.3	0.30	0.50	ug/L	20.0	ND	96.7	47-165	2.85	25	
Bromomethane	30.6	0.40	0.50	ug/L	20.0	ND	153	30-163	2.45	25	
n-Butylbenzene	21.5	0.40	0.50	ug/L	20.0	ND	108	57-147	0.139	25	
sec-Butylbenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	64-155	2.01	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Matrix Spike Dup (AI83117-MSD1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

tert-Butylbenzene	24.2	0.30	0.50	ug/L	20.0	ND	121	57-150	2.12	25	
Carbon disulfide	23.0	0.40	5.0	ug/L	20.0	ND	115	70-130	1.80	30	
Carbon tetrachloride	25.7	0.40	0.50	ug/L	20.0	ND	128	65-153	1.45	25	
Chlorobenzene	20.5	0.30	0.50	ug/L	20.0	ND	102	58-137	2.98	25	
Chloroethane	20.7	0.40	0.50	ug/L	20.0	ND	104	59-141	8.36	25	
Chloroform	22.1	0.40	0.50	ug/L	20.0	ND	110	36-151	0.723	25	
Chloromethane	24.6	0.40	0.50	ug/L	20.0	ND	123	69-149	1.69	25	
Chloroprene	25.8	0.40	1.0	ug/L	20.0	ND	129	70-130	0.696	25	
2-Chlorotoluene	22.6	0.40	0.50	ug/L	20.0	ND	113	54-150	2.02	25	
4-Chlorotoluene	22.7	0.30	0.50	ug/L	20.0	ND	113	59-140	1.92	25	
Dibromochloromethane	19.9	0.40	0.50	ug/L	20.0	ND	99.6	54-157	2.68	25	
1,2-Dibromo-3-chloropropane	19.7	0.60	2.0	ug/L	20.0	ND	98.6	54-137	1.90	25	
1,2-Dibromoethane (EDB)	21.4	0.40	0.50	ug/L	20.0	ND	107	40-147	2.08	25	
Dibromomethane	21.0	0.40	0.50	ug/L	20.0	ND	105	59-139	1.51	25	
1,2-Dichlorobenzene	20.9	0.40	0.50	ug/L	20.0	ND	105	39-145	0.191	25	
1,3-Dichlorobenzene	20.3	0.40	0.50	ug/L	20.0	ND	101	54-137	2.92	25	
1,4-Dichlorobenzene	20.0	0.30	0.50	ug/L	20.0	ND	100	41-142	1.54	25	
trans-1,4-Dichloro-2-butene	23.7	0.50	5.0	ug/L	20.0	ND	118	70-130	3.28	25	
Dichlorodifluoromethane	32.0	0.40	0.50	ug/L	20.0	ND	160	39-162	0.281	25	
1,1-Dichloroethane	23.0	0.50	0.50	ug/L	20.0	ND	115	39-146	0.217	25	
1,2-Dichloroethane	21.5	0.40	0.50	ug/L	20.0	ND	107	58-133	1.34	25	
1,1-Dichloroethene	22.1	0.30	0.50	ug/L	20.0	ND	111	70-154	3.35	25	
cis-1,2-Dichloroethene	22.0	0.40	0.50	ug/L	20.0	ND	110	66-141	0.949	25	
trans-1,2-Dichloroethene	22.8	0.40	0.50	ug/L	20.0	ND	114	59-151	0.881	25	
1,2-Dichloropropane	22.1	0.40	0.50	ug/L	20.0	ND	111	41-142	0.408	25	
1,3-Dichloropropane	20.8	0.40	0.50	ug/L	20.0	ND	104	62-139	2.99	25	
2,2-Dichloropropane	27.0	0.50	0.50	ug/L	20.0	ND	135	40-167	0.669	25	
1,1-Dichloropropene	25.8	0.40	0.50	ug/L	20.0	ND	129	58-148	0.935	25	
cis-1,3-Dichloropropene	21.6	0.40	0.50	ug/L	20.0	ND	108	50-140	0.462	25	
trans-1,3-Dichloropropene	20.8	0.40	0.50	ug/L	20.0	ND	104	40-144	2.19	25	
Diethyl ether	20.8	0.50	1.0	ug/L	20.0	ND	104	70-130	4.11	25	
Di-isopropyl ether	23.1	0.40	0.50	ug/L	20.0	ND	116	49-143	0.432	25	
Ethyl methacrylate	20.3	0.30	10	ug/L	20.0	ND	102	70-130	2.43	25	
Ethylbenzene	23.4	0.40	0.50	ug/L	20.0	ND	117	59-147	1.99	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Matrix Spike Dup (AI83117-MSD1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethanol	1250	50	50	ug/L	980	ND	127	50-150	36.1	25	QM-05
Ethyl tert-butyl ether	27.7	0.40	0.50	ug/L	20.0	ND	138	44-143	4.07	25	
Hexachlorobutadiene	22.5	0.50	0.50	ug/L	20.0	ND	113	56-149	9.98	25	
Hexachloroethane	21.3	0.40	1.0	ug/L	20.0	ND	107	70-130	0.376	25	
2-Hexanone	20.0	4.0	5.0	ug/L	20.0	ND	100	70-130	3.33	30	
Isobutanol	2160	40	100	ug/L	2000	ND	108	70-130	11.6	25	
Isopropylbenzene	24.0	0.40	0.50	ug/L	20.0	ND	120	56-134	3.12	25	
p-Isopropyltoluene	24.3	0.40	0.50	ug/L	20.0	ND	121	54-148	2.16	25	
Methacrylonitrile	21.6	0.40	1.0	ug/L	20.0	ND	108	70-130	1.61	25	
Methylene chloride	20.8	0.50	0.50	ug/L	20.0	ND	104	43-143	3.91	25	
Methyl ethyl ketone	40.7	0.70	1.0	ug/L	40.0	ND	102	62-126	2.84	25	
Methyl iodide	23.6	0.40	2.0	ug/L	20.0	ND	118	70-130	1.92	30	
Methyl isobutyl ketone	42.1	0.60	1.0	ug/L	40.0	ND	105	66-127	0.426	25	
Methyl methacrylate	22.2	0.40	1.0	ug/L	20.0	ND	111	70-130	0.316	25	
Propionitrile	1120	20	50	ug/L	1000	ND	112	70-130	7.94	25	
Methyl tert-butyl ether	19.7	0.50	0.50	ug/L	20.0	ND	98.4	55-144	2.61	25	
Naphthalene	19.9	0.50	0.50	ug/L	20.0	ND	99.4	52-157	2.91	25	
n-Propylbenzene	23.9	0.40	0.50	ug/L	20.0	ND	120	55-145	2.52	25	
Styrene	21.8	0.40	0.50	ug/L	20.0	ND	109	51-157	3.30	25	
Tert-amyl methyl ether	20.8	0.40	0.50	ug/L	20.0	ND	104	41-136	5.02	25	
Tert-butyl alcohol	452	6.0	10	ug/L	400	ND	113	38-175	16.4	25	
1,1,1,2-Tetrachloroethane	22.4	0.40	0.50	ug/L	20.0	ND	112	58-146	1.72	25	
1,1,2,2-Tetrachloroethane	20.2	0.30	0.50	ug/L	20.0	ND	101	73-127	3.12	25	
Tetrachloroethene	22.4	0.40	0.50	ug/L	20.0	ND	112	49-148	1.33	25	
Tetrahydrofuran	25.7	4.0	5.0	ug/L	20.0	ND	128	70-130	13.9	25	
Toluene	22.7	0.30	0.30	ug/L	20.0	ND	114	59-147	2.22	25	
1,2,4-Trichlorobenzene	23.9	0.20	0.50	ug/L	20.0	ND	119	50-150	3.93	25	
1,2,3-Trichlorobenzene	21.2	0.50	0.50	ug/L	20.0	ND	106	50-161	4.62	25	
1,1,1-Trichloroethane	25.1	0.40	0.50	ug/L	20.0	ND	126	38-164	2.54	25	
1,1,2-Trichloroethane	20.4	0.40	0.50	ug/L	20.0	ND	102	46-136	2.94	25	
Trichloroethene	22.8	0.40	0.50	ug/L	20.0	ND	114	58-140	0.525	25	
Trichlorofluoromethane	26.6	0.50	0.50	ug/L	20.0	ND	133	56-144	0.679	25	
1,2,3-Trichloropropane	20.7	0.40	0.50	ug/L	20.0	ND	104	61-139	1.48	25	
Trichlorotrifluoroethane	24.2	0.50	0.50	ug/L	20.0	ND	121	59-139	0.536	25	
1,2,4-Trimethylbenzene	22.0	0.40	0.50	ug/L	20.0	ND	110	58-152	2.38	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83117 - VOAs in Water GCMS

Matrix Spike Dup (AI83117-MSD1)

Source: 18H2915-01

Prepared: 09/04/18 Analyzed: 09/05/18

1,3,5-Trimethylbenzene	21.9	0.30	0.50	ug/L	20.0	ND	110	58-148	2.08	25	
Vinyl acetate	50.5	0.80	1.0	ug/L	40.0	ND	126	70-130	1.42	25	
Vinyl chloride	23.4	0.40	0.50	ug/L	20.0	ND	117	53-160	8.30	25	
m,p-Xylene	45.8	0.50	0.50	ug/L	40.0	ND	114	53-147	2.52	25	
o-Xylene	22.2	0.40	0.50	ug/L	20.0	ND	111	55-148	2.18	25	
Xylenes (total)	68.0	0.50	0.50	ug/L	60.0	ND	113	49-153	2.41	25	
Surrogate: Bromofluorobenzene	30.6			ug/L	25.0		122	70-130			
Surrogate: Dibromofluoromethane	28.2			ug/L	25.0		113	70-130			
Surrogate: Toluene-d8	28.5			ug/L	25.0		114	70-130			



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

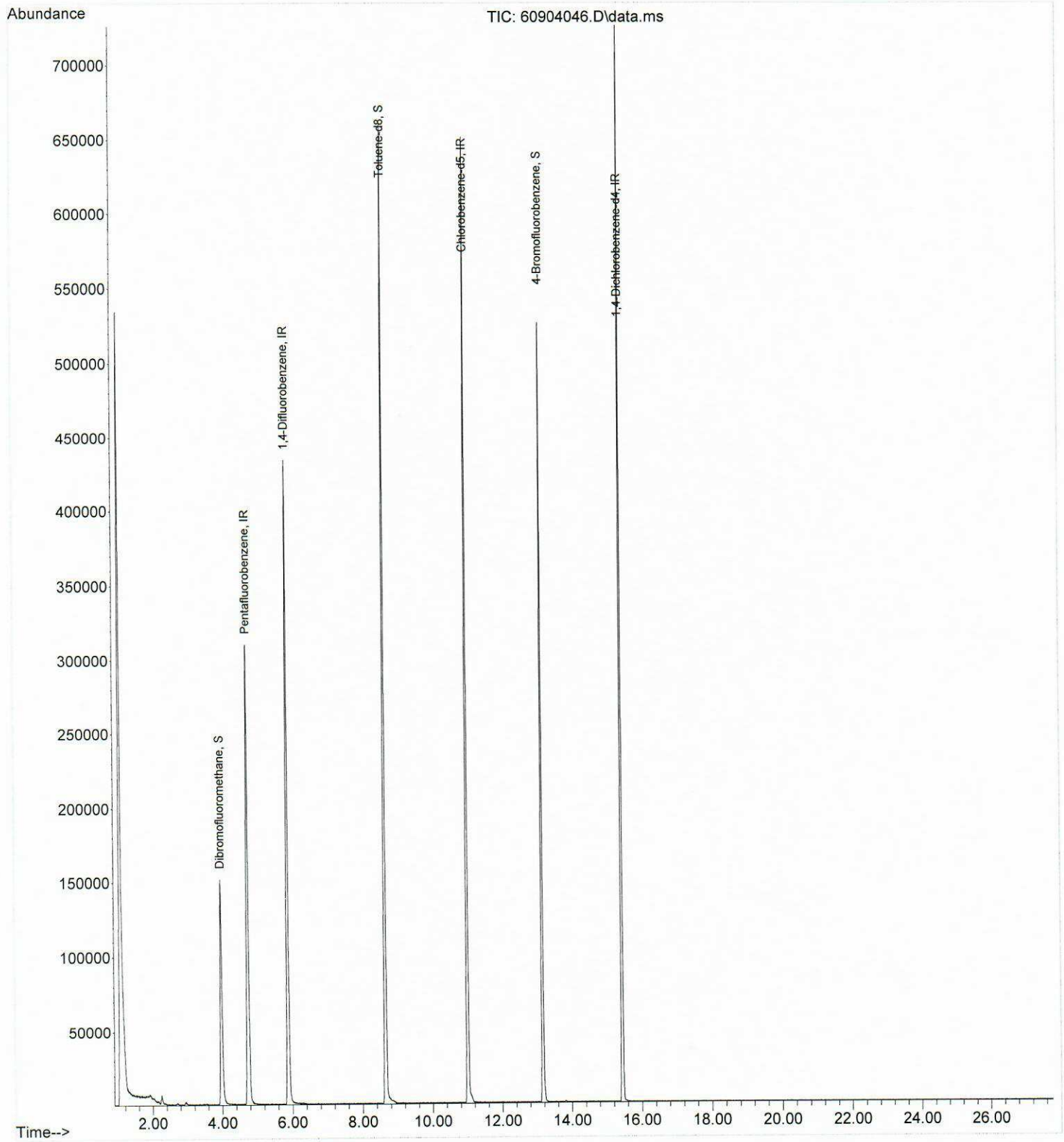
Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 152252-1

Reported:
09/13/18 13:55

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- U Analyte included in analysis, but not detected at or above MDL.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- MDL Method detection limit
- Rec Recovery
- RPD Relative Percent Difference

File :D:\MassHunter\GCMS\1\data\090418\60904046.D
Operator : JV/NBH
Acquired : 05 Sep 2018 02:54 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 18H2882-01
Misc Info :
Vial Number: 46



File :D:\MassHunter\GCMS\1\data\090118\60831038.D
Operator : JV/NBH
Acquired : 01 Sep 2018 04:15 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 18H2882-02
Misc Info :
Vial Number: 38





Laboratory & Corporate: 208 Mason Street, Ukiah, CA 95482
707-468-0401 Fax: 707-468-5267

Service Center & Micro Lab: 262 Rickenbacker Circle, Livermore CA 94551
925-828-6226 Fax: 925-828-6309

Chain of Custody Record

Reports and Invoices will be delivered by email in .pdf format.

Lab No. 18H2882 Page of

Report to: Company: Sample Traps LLC Attn: Quality Control Manager Address: Phone/Fax: Email Address: admin@sampletraps.com		Invoice to (if different): Company: Attn: Address: Phone/Fax: Email Address:		Project Info for Report: Project ID: QC- 40ml Clear VOA Vial (HCL) Project No: Navy Silicone Batch Number 152252-1 PO/Reference :		Signature below authorizes work under terms stated on reverse side.																																								
Samplers Signature: Print:		Container:		Preservative:		Matrix:		: Total Number of Containers		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center;">Analyses Requested</td> <td colspan="2" style="text-align: center;">TAT</td> <td colspan="1" rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">Lab Approval Required For Rush TATs</td> <td colspan="1" style="text-align: center;">Sample Notes (lab use only)</td> </tr> <tr> <td colspan="10"></td> <td colspan="2"> 10 days <input type="radio"/> <u>RUSH:</u> 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: <input type="radio"/> ___ days </td> <td colspan="1"> Temperature: ___ deg. C Shipment Method: Custody Seals: Y / N </td> </tr> </table>										Analyses Requested										TAT		Lab Approval Required For Rush TATs	Sample Notes (lab use only)											10 days <input type="radio"/> <u>RUSH:</u> 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: <input type="radio"/> ___ days		Temperature: ___ deg. C Shipment Method: Custody Seals: Y / N
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Sample Identification		Sampled: Date Time		40ml VOA		Poly		Glass bottle		Glass Jar		HCL		Methanol		Na Bisulfate		Other		None		Water		Container		Sample Notes or CDPH Source Numbers:																				
B8234CVBS - 01		8/29		x								x										x																								
B8234CVBS - 02		8/29		x								x										x																								
please use Ukiah reagent water for the analysis																																														
Relinquished by:		Received by:		Date:		Time:		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No																																						
Via Sample Traps				8-29-18		0830		State System Number: _____ If "Y" please enter the Source Number(s) in the column above																																						
CA Geotracker EDF Report? <input type="radio"/> Yes <input type="radio"/> No																																														
Global ID:										Sampling Company Log Code:																																				
EDF to (Email Address):										Travel and Site Time:										Mileage:				Misc. Supplies:																						