



Alpha Analytical Laboratories Inc.

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

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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

22 January 2018

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Clear VOA (NP)

Work Order: 18A0606

Enclosed are the results of analyses for samples received by the laboratory on 01/08/18 07:30. 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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B7348CUBS-01	18A0606-01	Water	01/08/18 00:00	01/08/18 07:30
B7348CUBS-02	18A0606-02	Water	01/08/18 00:00	01/08/18 07:30



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B7348CUBS-02 (18A0606-02) Water Sampled: 01/08/18 00:00 Received: 01/08/18 07:30												
Acetone	ND	2.0	5.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Benzene	ND	0.30	0.30		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Bromobenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Chlorobenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2-Dibromoethane (EDB)	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Dibromomethane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2-Dichlorobenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,4-Dichlorobenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
trans-1,4-Dichloro-2-butene	ND	0.30	5.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1-Dichloroethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2-Dichloroethane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1-Dichloroethene	ND	0.30	0.30		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2-Dichloropropane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B7348CUBS-02 (18A0606-02) Water Sampled: 01/08/18 00:00 Received: 01/08/18 07:30												
1,3-Dichloropropane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1-Dichloropropene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
2-Hexanone	ND	4.0	5.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.60	1.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.80	1.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Styrene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B7348CUBS-02 (18A0606-02) Water Sampled: 01/08/18 00:00 Received: 01/08/18 07:30												
o-Xylene	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50		ug/L	1	AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	U
<i>Surrogate: Bromofluorobenzene</i>		86.3 %		70-130			AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	
<i>Surrogate: Dibromofluoromethane</i>		79.2 %		70-130			AA83690	01/11/18 13:00	01/11/18 15:06	EPA 524.2	JV	
<i>Surrogate: Toluene-d8</i>		95.1 %		70-130			AA83690	01/11/18 13:00	01/11/18 15:06	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B7348CUBS-01 (18A0606-01) Water Sampled: 01/08/18 00:00 Received: 01/08/18 07:30												
Acetone	ND	0.90	5.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Acetonitrile	ND	50	100		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Allyl chloride	ND	0.40	10		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Benzene	ND	0.30	0.30		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Bromobenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Bromodichloromethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Bromoform	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Bromomethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
n-Butylbenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
sec-Butylbenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
tert-Butylbenzene	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Carbon disulfide	ND	0.40	5.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Carbon tetrachloride	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Chlorobenzene	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Chloroethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Chloroform	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Chloromethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Chloroprene	ND	0.40	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
2-Chlorotoluene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
4-Chlorotoluene	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Dibromochloromethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Dibromomethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,4-Dichlorobenzene	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Dichlorodifluoromethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,1-Dichloroethane	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2-Dichloroethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,1-Dichloroethene	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B7348CUBS-01 (18A0606-01) Water Sampled: 01/08/18 00:00 Received: 01/08/18 07:30												
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2-Dichloropropane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,3-Dichloropropane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
2,2-Dichloropropane	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,1-Dichloropropene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
cis-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
trans-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Diethyl ether	ND	0.50	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Di-isopropyl ether	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Ethanol	ND	50	50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Ethyl methacrylate	ND	0.30	10		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Ethylbenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Hexachlorobutadiene	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Hexachloroethane	ND	0.40	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
2-Hexanone	ND	4.0	5.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Isobutanol	ND	40	100		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Isopropylbenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
p-Isopropyltoluene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methacrylonitrile	ND	0.40	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methylene chloride	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methyl ethyl ketone	ND	0.70	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methyl isobutyl ketone	ND	0.60	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methyl methacrylate	ND	0.40	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Methyl tert-butyl ether	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Naphthalene	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Propionitrile	ND	20	50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
n-Propylbenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Styrene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Tert-amyl methyl ether	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Tert-butyl alcohol	ND	6.0	10		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B7348CUBS-01 (18A0606-01) Water Sampled: 01/08/18 00:00 Received: 01/08/18 07:30												
1,1,2,2-Tetrachloroethane	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Tetrachloroethene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Tetrahydrofuran	ND	4.0	5.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Toluene	ND	0.30	0.30		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Trichloroethene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Trichlorotrifluoroethane	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
o-Xylene	ND	0.40	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	U
Surrogate: Bromofluorobenzene		109 %	81-135				AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	
Surrogate: Dibromofluoromethane		103 %	46-130				AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	
Surrogate: Toluene-d8		112 %	59-132				AA83667	01/10/18 12:00	01/10/18 15:07	EPA 8260	MM	



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

Blank (AA83690-BLK1)

Prepared & Analyzed: 01/11/18

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	0.50	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	0.50	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	0.50	0.50	ug/L							U
4-Chlorotoluene	ND	0.50	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	0.50	0.50	ug/L							U
Dibromomethane	ND	0.50	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.50	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.50	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.30	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethane	ND	0.40	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	0.50	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

Blank (AA83690-BLK1)

Prepared & Analyzed: 01/11/18

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
Ethylbenzene	ND	0.50	0.50	ug/L							U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L							U
2-Hexanone	ND	4.0	5.0	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	0.50	0.50	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.50	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	0.50	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

Blank (AA83690-BLK1)

Prepared & Analyzed: 01/11/18

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	20.8			ug/L	25.0		83.4	70-130				
Surrogate: Dibromofluoromethane	19.2			ug/L	25.0		77.0	70-130				
Surrogate: Toluene-d8	24.1			ug/L	25.0		96.2	70-130				

LCS (AA83690-BS1)

Prepared & Analyzed: 01/11/18

Acetone	16.0	2.0	5.0	ug/L	20.0		80.0	70-130				
Acrylonitrile	4.65	0.40	5.0	ug/L	5.00		93.0	70-130				J
Benzene	4.84	0.30	0.30	ug/L	5.00		96.8	70-130				
Bromobenzene	4.90	0.50	0.50	ug/L	5.00		98.0	70-130				
Bromochloromethane	4.34	0.40	0.50	ug/L	5.00		86.8	70-130				
Bromodichloromethane	4.48	0.20	0.50	ug/L	5.00		89.6	70-130				
Bromoform	5.52	0.30	0.50	ug/L	5.00		110	70-130				
Bromomethane	4.11	0.40	0.50	ug/L	5.00		82.2	70-130				
n-Butylbenzene	4.85	0.50	0.50	ug/L	5.00		97.0	70-130				
sec-Butylbenzene	5.30	0.50	0.50	ug/L	5.00		106	70-130				
tert-Butylbenzene	5.30	0.50	0.50	ug/L	5.00		106	70-130				
Carbon disulfide	4.76	0.40	0.50	ug/L	5.00		95.2	70-130				
Carbon tetrachloride	4.57	0.30	0.50	ug/L	5.00		91.4	70-130				
Chlorobenzene	4.93	0.50	0.50	ug/L	5.00		98.6	70-130				
Chloroethane	5.19	0.30	0.50	ug/L	5.00		104	70-130				
Chloroform	4.49	0.30	0.50	ug/L	5.00		89.8	70-130				
Chloromethane	4.64	0.40	0.50	ug/L	5.00		92.8	70-130				
2-Chlorotoluene	5.24	0.50	0.50	ug/L	5.00		105	70-130				
4-Chlorotoluene	4.96	0.50	0.50	ug/L	5.00		99.2	70-130				
Dibromochloromethane	4.95	0.30	0.50	ug/L	5.00		99.0	70-130				
1,2-Dibromo-3-chloropropane	4.41	0.50	0.50	ug/L	5.00		88.2	70-130				
1,2-Dibromoethane (EDB)	4.52	0.50	0.50	ug/L	5.00		90.4	70-130				
Dibromomethane	4.36	0.50	0.50	ug/L	5.00		87.2	70-130				
1,2-Dichlorobenzene	4.82	0.50	0.50	ug/L	5.00		96.4	70-130				
1,3-Dichlorobenzene	4.95	0.40	0.50	ug/L	5.00		99.0	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

LCS (AA83690-BS1)

Prepared & Analyzed: 01/11/18

1,4-Dichlorobenzene	4.73	0.50	0.50	ug/L	5.00		94.6	70-130			
trans-1,4-Dichloro-2-butene	3.84	0.30	5.0	ug/L	5.00		76.8	70-130			J
Dichlorodifluoromethane	5.71	0.50	0.50	ug/L	5.00		114	70-130			
1,1-Dichloroethane	4.76	0.40	0.50	ug/L	5.00		95.2	70-130			
1,2-Dichloroethane	4.61	0.50	0.50	ug/L	5.00		92.2	70-130			
1,1-Dichloroethene	4.64	0.30	0.30	ug/L	5.00		92.8	70-130			
cis-1,2-Dichloroethene	4.74	0.40	0.50	ug/L	5.00		94.8	70-130			
trans-1,2-Dichloroethene	4.89	0.40	0.50	ug/L	5.00		97.8	70-130			
1,2-Dichloropropane	4.39	0.50	0.50	ug/L	5.00		87.8	70-130			
1,3-Dichloropropane	4.63	0.50	0.50	ug/L	5.00		92.6	70-130			
2,2-Dichloropropane	4.78	0.30	0.50	ug/L	5.00		95.6	70-130			
1,1-Dichloropropene	4.74	0.50	0.50	ug/L	5.00		94.8	70-130			
cis-1,3-Dichloropropene	4.98	0.30	0.50	ug/L	5.00		99.6	70-130			
trans-1,3-Dichloropropene	5.03	0.30	0.50	ug/L	5.00		101	70-130			
2-Hexanone	4.79	4.0	5.0	ug/L	5.00		95.8	70-130			J
Ethylbenzene	5.07	0.50	0.50	ug/L	5.00		101	70-130			
Hexachlorobutadiene	4.51	0.40	0.50	ug/L	5.00		90.2	70-130			
Isopropylbenzene	5.23	0.50	0.50	ug/L	5.00		105	70-130			
p-Isopropyltoluene	5.08	0.50	0.50	ug/L	5.00		102	70-130			
Methyl ethyl ketone	9.05	0.60	1.0	ug/L	10.0		90.5	70-130			
Methyl iodide	4.79	0.40	2.0	ug/L	5.00		95.8	70-130			
Methyl isobutyl ketone	8.70	0.80	1.0	ug/L	10.0		87.0	70-130			
Methylene chloride	4.48	0.40	0.50	ug/L	5.00		89.6	70-130			
Naphthalene	4.98	0.50	0.50	ug/L	5.00		99.6	70-130			
n-Propylbenzene	5.19	0.50	0.50	ug/L	5.00		104	70-130			
Styrene	4.84	0.50	0.50	ug/L	5.00		96.8	70-130			
1,1,1,2-Tetrachloroethane	4.76	0.40	0.50	ug/L	5.00		95.2	70-130			
1,1,2,2-Tetrachloroethane	4.63	0.50	0.50	ug/L	5.00		92.6	70-130			
Tetrachloroethene	5.19	0.50	0.50	ug/L	5.00		104	70-130			
Toluene	5.12	0.30	0.50	ug/L	5.00		102	70-130			
1,2,3-Trichlorobenzene	5.23	0.40	0.50	ug/L	5.00		105	70-130			
1,2,4-Trichlorobenzene	5.12	0.40	0.50	ug/L	5.00		102	70-130			
1,1,1-Trichloroethane	4.78	0.40	0.50	ug/L	5.00		95.6	70-130			
1,1,2-Trichloroethane	4.55	0.50	0.50	ug/L	5.00		91.0	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

LCS (AA83690-BS1)

Prepared & Analyzed: 01/11/18

Trichloroethene	4.80	0.50	0.50	ug/L	5.00		96.0	70-130			
Trichlorofluoromethane	4.90	0.50	0.50	ug/L	5.00		98.0	70-130			
Trichlorotrifluoroethane	5.21	0.40	0.50	ug/L	5.00		104	70-130			
1,2,3-Trichloropropane	4.71	0.50	0.50	ug/L	5.00		94.2	70-130			
1,2,4-Trimethylbenzene	5.29	0.50	0.50	ug/L	5.00		106	70-130			
1,3,5-Trimethylbenzene	5.17	0.50	0.50	ug/L	5.00		103	70-130			
Vinyl chloride	5.10	0.50	0.50	ug/L	5.00		102	70-130			
m,p-Xylene	10.2	0.50	0.50	ug/L	10.0		102	70-130			
o-Xylene	5.10	0.50	0.50	ug/L	5.00		102	70-130			
Xylenes (total)	15.3	0.50	0.50	ug/L	15.0		102	70-130			
Methyl tert-butyl ether	4.66	0.50	3.0	ug/L	5.00		93.2	70-130			
Ethyl tert-butyl ether	4.65	0.40	0.50	ug/L	5.00		93.0	70-130			
Tert-amyl methyl ether	4.11	0.30	0.50	ug/L	5.00		82.2	70-130			
Surrogate: Bromofluorobenzene	21.7			ug/L	25.0		86.7	70-130			
Surrogate: Dibromofluoromethane	19.2			ug/L	25.0		76.8	70-130			
Surrogate: Toluene-d8	23.9			ug/L	25.0		95.4	70-130			

LCS Dup (AA83690-BSD1)

Prepared & Analyzed: 01/11/18

Acetone	15.5	2.0	5.0	ug/L	20.0		77.6	70-130	3.11	30	
Acrylonitrile	4.40	0.40	5.0	ug/L	5.00		88.0	70-130	5.52	30	J
Benzene	4.49	0.30	0.30	ug/L	5.00		89.8	70-130	7.50	30	
Bromobenzene	4.65	0.50	0.50	ug/L	5.00		93.0	70-130	5.24	30	
Bromochloromethane	4.31	0.40	0.50	ug/L	5.00		86.2	70-130	0.694	30	
Bromodichloromethane	4.35	0.20	0.50	ug/L	5.00		87.0	70-130	2.94	30	
Bromoform	5.27	0.30	0.50	ug/L	5.00		105	70-130	4.63	30	
Bromomethane	3.92	0.40	0.50	ug/L	5.00		78.4	70-130	4.73	30	
n-Butylbenzene	4.57	0.50	0.50	ug/L	5.00		91.4	70-130	5.94	30	
sec-Butylbenzene	4.88	0.50	0.50	ug/L	5.00		97.6	70-130	8.25	30	
tert-Butylbenzene	4.84	0.50	0.50	ug/L	5.00		96.8	70-130	9.07	30	
Carbon disulfide	4.43	0.40	0.50	ug/L	5.00		88.6	70-130	7.18	30	
Carbon tetrachloride	4.21	0.30	0.50	ug/L	5.00		84.2	70-130	8.20	30	
Chlorobenzene	4.68	0.50	0.50	ug/L	5.00		93.6	70-130	5.20	30	
Chloroethane	4.83	0.30	0.50	ug/L	5.00		96.6	70-130	7.19	30	
Chloroform	4.44	0.30	0.50	ug/L	5.00		88.8	70-130	1.12	30	
Chloromethane	4.15	0.40	0.50	ug/L	5.00		83.0	70-130	11.1	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

LCS Dup (AA83690-BSD1)

Prepared & Analyzed: 01/11/18

2-Chlorotoluene	4.89	0.50	0.50	ug/L	5.00		97.8	70-130	6.91	30	
4-Chlorotoluene	4.55	0.50	0.50	ug/L	5.00		91.0	70-130	8.62	30	
Dibromochloromethane	4.75	0.30	0.50	ug/L	5.00		95.0	70-130	4.12	30	
1,2-Dibromo-3-chloropropane	4.32	0.50	0.50	ug/L	5.00		86.4	70-130	2.06	25	
1,2-Dibromoethane (EDB)	4.26	0.50	0.50	ug/L	5.00		85.2	70-130	5.92	25	
Dibromomethane	3.96	0.50	0.50	ug/L	5.00		79.2	70-130	9.62	30	
1,2-Dichlorobenzene	4.56	0.50	0.50	ug/L	5.00		91.2	70-130	5.54	30	
1,3-Dichlorobenzene	4.46	0.40	0.50	ug/L	5.00		89.2	70-130	10.4	30	
trans-1,4-Dichloro-2-butene	3.64	0.30	5.0	ug/L	5.00		72.8	70-130	5.35	25	J
1,4-Dichlorobenzene	4.50	0.50	0.50	ug/L	5.00		90.0	70-130	4.98	30	
Dichlorodifluoromethane	4.99	0.50	0.50	ug/L	5.00		99.8	70-130	13.5	30	
1,1-Dichloroethane	4.51	0.40	0.50	ug/L	5.00		90.2	70-130	5.39	30	
1,2-Dichloroethane	4.05	0.50	0.50	ug/L	5.00		81.0	70-130	12.9	30	
1,1-Dichloroethene	4.37	0.30	0.30	ug/L	5.00		87.4	70-130	5.99	30	
cis-1,2-Dichloroethene	4.69	0.40	0.50	ug/L	5.00		93.8	70-130	1.06	30	
trans-1,2-Dichloroethene	4.45	0.40	0.50	ug/L	5.00		89.0	70-130	9.42	30	
1,2-Dichloropropane	4.15	0.50	0.50	ug/L	5.00		83.0	70-130	5.62	30	
1,3-Dichloropropane	4.29	0.50	0.50	ug/L	5.00		85.8	70-130	7.62	30	
2,2-Dichloropropane	4.62	0.30	0.50	ug/L	5.00		92.4	70-130	3.40	30	
1,1-Dichloropropene	4.38	0.50	0.50	ug/L	5.00		87.6	70-130	7.89	30	
cis-1,3-Dichloropropene	4.71	0.30	0.50	ug/L	5.00		94.2	70-130	5.57	30	
trans-1,3-Dichloropropene	4.90	0.30	0.50	ug/L	5.00		98.0	70-130	2.62	30	
2-Hexanone	4.57	4.0	5.0	ug/L	5.00		91.4	70-130	4.70	25	J
Ethylbenzene	4.76	0.50	0.50	ug/L	5.00		95.2	70-130	6.31	30	
Hexachlorobutadiene	4.19	0.40	0.50	ug/L	5.00		83.8	70-130	7.36	30	
Isopropylbenzene	4.87	0.50	0.50	ug/L	5.00		97.4	70-130	7.13	30	
p-Isopropyltoluene	4.67	0.50	0.50	ug/L	5.00		93.4	70-130	8.41	30	
Methyl ethyl ketone	8.60	0.60	1.0	ug/L	10.0		86.0	70-130	5.10	30	
Methyl iodide	4.66	0.40	2.0	ug/L	5.00		93.2	70-130	2.75	25	
Methyl isobutyl ketone	8.11	0.80	1.0	ug/L	10.0		81.1	70-130	7.02	30	
Methylene chloride	4.14	0.40	0.50	ug/L	5.00		82.8	70-130	7.89	30	
Naphthalene	4.84	0.50	0.50	ug/L	5.00		96.8	70-130	2.85	30	
n-Propylbenzene	4.78	0.50	0.50	ug/L	5.00		95.6	70-130	8.22	30	
Styrene	4.51	0.50	0.50	ug/L	5.00		90.2	70-130	7.06	30	
1,1,1,2-Tetrachloroethane	4.33	0.40	0.50	ug/L	5.00		86.6	70-130	9.46	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

LCS Dup (AA83690-BSD1)

Prepared & Analyzed: 01/11/18

1,1,2,2-Tetrachloroethane	4.29	0.50	0.50	ug/L	5.00		85.8	70-130	7.62	30	
Tetrachloroethene	4.77	0.50	0.50	ug/L	5.00		95.4	70-130	8.43	30	
Toluene	4.93	0.30	0.50	ug/L	5.00		98.6	70-130	3.78	30	
1,2,3-Trichlorobenzene	4.76	0.40	0.50	ug/L	5.00		95.2	70-130	9.41	30	
1,2,4-Trichlorobenzene	4.73	0.40	0.50	ug/L	5.00		94.6	70-130	7.92	30	
1,1,1-Trichloroethane	4.40	0.40	0.50	ug/L	5.00		88.0	70-130	8.28	30	
1,1,2-Trichloroethane	4.35	0.50	0.50	ug/L	5.00		87.0	70-130	4.49	30	
Trichloroethene	4.60	0.50	0.50	ug/L	5.00		92.0	70-130	4.26	30	
Trichlorofluoromethane	4.43	0.50	0.50	ug/L	5.00		88.6	70-130	10.1	30	
Trichlorotrifluoroethane	4.59	0.40	0.50	ug/L	5.00		91.8	70-130	12.7	30	
1,2,3-Trichloropropane	4.35	0.50	0.50	ug/L	5.00		87.0	70-130	7.95	25	
1,2,4-Trimethylbenzene	4.87	0.50	0.50	ug/L	5.00		97.4	70-130	8.27	30	
1,3,5-Trimethylbenzene	4.75	0.50	0.50	ug/L	5.00		95.0	70-130	8.47	30	
Vinyl chloride	4.76	0.50	0.50	ug/L	5.00		95.2	70-130	6.90	30	
m,p-Xylene	9.51	0.50	0.50	ug/L	10.0		95.1	70-130	7.00	30	
o-Xylene	4.76	0.50	0.50	ug/L	5.00		95.2	70-130	6.90	30	
Xylenes (total)	14.3	0.50	0.50	ug/L	15.0		95.1	70-130	6.97	30	
Methyl tert-butyl ether	4.22	0.50	3.0	ug/L	5.00		84.4	70-130	9.91	30	
Ethyl tert-butyl ether	4.47	0.40	0.50	ug/L	5.00		89.4	70-130	3.95	30	
Tert-amyl methyl ether	3.79	0.30	0.50	ug/L	5.00		75.8	70-130	8.10	30	
Surrogate: Bromofluorobenzene	21.4			ug/L	25.0		85.7	70-130			
Surrogate: Dibromofluoromethane	20.2			ug/L	25.0		80.6	70-130			
Surrogate: Toluene-d8	23.9			ug/L	25.0		95.8	70-130			

Matrix Spike (AA83690-MS1)

Source: 18A1197-01

Prepared & Analyzed: 01/11/18

QM-05

Acetone	16.9	2.0	5.0	ug/L	20.0	ND	84.6	70-130			
Acrylonitrile	5.08	0.40	5.0	ug/L	5.00	ND	102	70-130			
Benzene	5.51	0.30	0.30	ug/L	5.00	ND	110	70-130			
Bromobenzene	5.24	0.50	0.50	ug/L	5.00	ND	105	70-130			
Bromochloromethane	4.78	0.40	0.50	ug/L	5.00	ND	95.6	70-130			
Bromodichloromethane	5.29	0.20	0.50	ug/L	5.00	ND	106	70-130			
Bromoform	5.49	0.30	0.50	ug/L	5.00	ND	110	70-130			
Bromomethane	4.64	0.40	0.50	ug/L	5.00	ND	92.8	70-130			
n-Butylbenzene	6.11	0.50	0.50	ug/L	5.00	ND	122	70-130			
sec-Butylbenzene	6.91	0.50	0.50	ug/L	5.00	ND	138	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

Matrix Spike (AA83690-MS1)	Source: 18A1197-01			Prepared & Analyzed: 01/11/18					QM-05
tert-Butylbenzene	6.68	0.50	0.50	ug/L	5.00	ND	134	70-130	
Carbon disulfide	6.38	0.40	0.50	ug/L	5.00	ND	128	70-130	
Carbon tetrachloride	6.33	0.30	0.50	ug/L	5.00	ND	127	70-130	
Chlorobenzene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130	
Chloroethane	5.96	0.30	0.50	ug/L	5.00	ND	119	70-130	
Chloroform	5.34	0.30	0.50	ug/L	5.00	ND	107	70-130	
Chloromethane	5.52	0.40	0.50	ug/L	5.00	ND	110	70-130	
2-Chlorotoluene	5.96	0.50	0.50	ug/L	5.00	ND	119	70-130	
4-Chlorotoluene	5.61	0.50	0.50	ug/L	5.00	ND	112	70-130	
Dibromochloromethane	5.05	0.30	0.50	ug/L	5.00	ND	101	70-130	
1,2-Dibromo-3-chloropropane	4.33	0.50	0.50	ug/L	5.00	ND	86.6	70-130	
1,2-Dibromoethane (EDB)	4.73	0.50	0.50	ug/L	5.00	ND	94.6	70-130	
Dibromomethane	4.53	0.50	0.50	ug/L	5.00	ND	90.6	70-130	
1,2-Dichlorobenzene	5.01	0.50	0.50	ug/L	5.00	ND	100	70-130	
1,3-Dichlorobenzene	5.40	0.40	0.50	ug/L	5.00	ND	108	70-130	
trans-1,4-Dichloro-2-butene	4.44	0.30	5.0	ug/L	5.00	ND	88.8	70-130	J
1,4-Dichlorobenzene	5.04	0.50	0.50	ug/L	5.00	ND	101	70-130	
Dichlorodifluoromethane	9.13	0.50	0.50	ug/L	5.00	ND	183	70-130	
1,1-Dichloroethane	5.40	0.40	0.50	ug/L	5.00	ND	108	70-130	
1,2-Dichloroethane	4.62	0.50	0.50	ug/L	5.00	ND	92.4	70-130	
1,1-Dichloroethene	6.73	0.30	0.30	ug/L	5.00	ND	135	70-130	
cis-1,2-Dichloroethene	5.40	0.40	0.50	ug/L	5.00	ND	108	70-130	
trans-1,2-Dichloroethene	5.94	0.40	0.50	ug/L	5.00	ND	119	70-130	
1,2-Dichloropropane	4.94	0.50	0.50	ug/L	5.00	ND	98.8	70-130	
1,3-Dichloropropane	4.78	0.50	0.50	ug/L	5.00	ND	95.6	70-130	
2,2-Dichloropropane	6.45	0.30	0.50	ug/L	5.00	ND	129	70-130	
1,1-Dichloropropene	3.28	0.50	0.50	ug/L	5.00	ND	65.6	70-130	
cis-1,3-Dichloropropene	5.24	0.30	0.50	ug/L	5.00	ND	105	70-130	
trans-1,3-Dichloropropene	5.32	0.30	0.50	ug/L	5.00	ND	106	70-130	
Ethylbenzene	5.96	0.50	0.50	ug/L	5.00	ND	119	70-130	
2-Hexanone	4.86	4.0	5.0	ug/L	5.00	ND	97.2	70-130	J
Hexachlorobutadiene	5.52	0.40	0.50	ug/L	5.00	ND	110	70-130	
Isopropylbenzene	6.58	0.50	0.50	ug/L	5.00	ND	132	70-130	
p-Isopropyltoluene	6.51	0.50	0.50	ug/L	5.00	ND	130	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83690 - VOAs in Water GCMS

Matrix Spike (AA83690-MS1)	Source: 18A1197-01			Prepared & Analyzed: 01/11/18				QM-05
Methyl ethyl ketone	9.78	0.60	1.0	ug/L	10.0	ND	97.8	70-130
Methyl iodide	5.78	0.40	2.0	ug/L	5.00	ND	116	70-130
Methyl isobutyl ketone	8.61	0.80	1.0	ug/L	10.0	ND	86.1	70-130
Methylene chloride	4.32	0.40	0.50	ug/L	5.00	ND	86.4	70-130
Naphthalene	5.09	0.50	0.50	ug/L	5.00	ND	102	70-130
n-Propylbenzene	6.61	0.50	0.50	ug/L	5.00	ND	132	70-130
Styrene	5.20	0.50	0.50	ug/L	5.00	ND	104	70-130
1,1,1,2-Tetrachloroethane	5.27	0.40	0.50	ug/L	5.00	ND	105	70-130
1,1,1,2,2-Tetrachloroethane	4.73	0.50	0.50	ug/L	5.00	ND	94.6	70-130
Tetrachloroethene	6.67	0.50	0.50	ug/L	5.00	ND	133	70-130
Toluene	5.98	0.30	0.50	ug/L	5.00	ND	120	70-130
1,2,3-Trichlorobenzene	5.36	0.40	0.50	ug/L	5.00	ND	107	70-130
1,2,4-Trichlorobenzene	5.28	0.40	0.50	ug/L	5.00	ND	106	70-130
1,1,1-Trichloroethane	6.35	0.40	0.50	ug/L	5.00	ND	127	70-130
1,1,2-Trichloroethane	4.81	0.50	0.50	ug/L	5.00	ND	96.2	70-130
Trichloroethene	6.03	0.50	0.50	ug/L	5.00	ND	121	70-130
Trichlorofluoromethane	7.59	0.50	0.50	ug/L	5.00	ND	152	70-130
Trichlorotrifluoroethane	8.11	0.40	0.50	ug/L	5.00	ND	162	70-130
1,2,3-Trichloropropane	5.08	0.50	0.50	ug/L	5.00	ND	102	70-130
1,2,4-Trimethylbenzene	6.08	0.50	0.50	ug/L	5.00	ND	122	70-130
1,3,5-Trimethylbenzene	6.16	0.50	0.50	ug/L	5.00	ND	123	70-130
Vinyl chloride	6.93	0.50	0.50	ug/L	5.00	ND	139	70-130
m,p-Xylene	12.1	0.50	0.50	ug/L	10.0	ND	121	70-130
o-Xylene	5.71	0.50	0.50	ug/L	5.00	ND	114	70-130
Xylenes (total)	17.8	0.50	0.50	ug/L	15.0	ND	119	70-130
Methyl tert-butyl ether	3.92	0.50	3.0	ug/L	5.00	ND	78.4	70-130
Ethyl tert-butyl ether	4.59	0.40	0.50	ug/L	5.00	ND	91.8	70-130
Tert-amyl methyl ether	4.23	0.30	0.50	ug/L	5.00	ND	84.6	70-130
Surrogate: Bromofluorobenzene	21.7			ug/L	25.0		86.6	70-130
Surrogate: Dibromofluoromethane	20.2			ug/L	25.0		80.8	70-130
Surrogate: Toluene-d8	24.0			ug/L	25.0		95.9	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

Blank (AA83667-BLK1)

Prepared & Analyzed: 01/10/18

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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

Blank (AA83667-BLK1)

Prepared & Analyzed: 01/10/18

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
Ethylbenzene	ND	0.40	0.50	ug/L							U
Ethanol	ND	50	50	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Hexachlorobutadiene	ND	0.50	0.50	ug/L							U
Hexachloroethane	ND	0.40	1.0	ug/L							U
2-Hexanone	ND	4.0	5.0	ug/L							U
Isopropylbenzene	ND	0.40	0.50	ug/L							U
Isobutanol	ND	40	100	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
Methyl tert-butyl ether	ND	0.50	0.50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
Propionitrile	ND	20	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch AA83667 - VOAs in Water GCMS

Blank (AA83667-BLK1)

Prepared & Analyzed: 01/10/18

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	26.8			ug/L	25.0		107		81-135			
Surrogate: Dibromofluoromethane	26.2			ug/L	25.0		105		46-130			
Surrogate: Toluene-d8	27.9			ug/L	25.0		112		59-132			

LCS (AA83667-BS1)

Prepared & Analyzed: 01/10/18

Acetone	73.9	0.90	5.0	ug/L	80.0		92.4		48-124			
Acetonitrile	2020	50	100	ug/L	2000		101		70-130			
Allyl chloride	25.4	0.40	10	ug/L	20.0		127		70-130			
Acrylonitrile	21.0	0.40	5.0	ug/L	20.0		105		70-130			
Benzene	20.4	0.30	0.30	ug/L	20.0		102		82-122			
Bromobenzene	21.9	0.40	0.50	ug/L	20.0		109		83-122			
Bromochloromethane	20.1	0.40	0.50	ug/L	20.0		100		83-124			
Bromodichloromethane	21.7	0.40	0.50	ug/L	20.0		108		86-135			
Bromoform	22.8	0.30	0.50	ug/L	20.0		114		76-144			
Bromomethane	21.5	0.40	0.50	ug/L	20.0		108		69-145			
n-Butylbenzene	19.1	0.40	0.50	ug/L	20.0		95.6		79-132			
sec-Butylbenzene	23.9	0.40	0.50	ug/L	20.0		120		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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

LCS (AA83667-BS1)

Prepared & Analyzed: 01/10/18

tert-Butylbenzene	21.2	0.30	0.50	ug/L	20.0		106	82-126			
Carbon disulfide	21.8	0.40	5.0	ug/L	20.0		109	70-130			
Carbon tetrachloride	21.7	0.40	0.50	ug/L	20.0		108	77-134			
Chlorobenzene	20.6	0.30	0.50	ug/L	20.0		103	84-119			
Chloroethane	21.4	0.40	0.50	ug/L	20.0		107	68-133			
Chloroform	20.7	0.40	0.50	ug/L	20.0		103	81-122			
Chloromethane	23.6	0.40	0.50	ug/L	20.0		118	63-129			
Chloroprene	23.0	0.40	1.0	ug/L	20.0		115	70-130			
2-Chlorotoluene	22.8	0.40	0.50	ug/L	20.0		114	79-132			
4-Chlorotoluene	22.9	0.30	0.50	ug/L	20.0		114	80-122			
Dibromochloromethane	21.4	0.40	0.50	ug/L	20.0		107	83-135			
1,2-Dibromo-3-chloropropane	18.5	0.60	2.0	ug/L	20.0		92.6	73-128			
1,2-Dibromoethane (EDB)	21.1	0.40	0.50	ug/L	20.0		105	80-120			
Dibromomethane	20.8	0.40	0.50	ug/L	20.0		104	82-124			
1,2-Dichlorobenzene	20.7	0.40	0.50	ug/L	20.0		104	84-121			
1,3-Dichlorobenzene	21.1	0.40	0.50	ug/L	20.0		106	80-120			
1,4-Dichlorobenzene	19.7	0.30	0.50	ug/L	20.0		98.4	84-120			
trans-1,4-Dichloro-2-butene	24.4	0.50	5.0	ug/L	20.0		122	90-145			
Dichlorodifluoromethane	24.7	0.40	0.50	ug/L	20.0		123	52-142			
1,1-Dichloroethane	20.9	0.50	0.50	ug/L	20.0		104	81-126			
1,2-Dichloroethane	20.0	0.40	0.50	ug/L	20.0		99.8	77-117			
1,1-Dichloroethene	19.3	0.30	0.50	ug/L	20.0		96.6	71-151			
cis-1,2-Dichloroethene	21.2	0.40	0.50	ug/L	20.0		106	84-131			
trans-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0		101	79-128			
1,2-Dichloropropane	21.2	0.40	0.50	ug/L	20.0		106	82-125			
1,3-Dichloropropane	21.0	0.40	0.50	ug/L	20.0		105	83-120			
2,2-Dichloropropane	24.0	0.50	0.50	ug/L	20.0		120	80-125			
1,1-Dichloropropene	20.9	0.40	0.50	ug/L	20.0		105	85-130			
cis-1,3-Dichloropropene	20.2	0.40	0.50	ug/L	20.0		101	83-128			
trans-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0		102	67-129			
Diethyl ether	19.9	0.50	1.0	ug/L	20.0		99.6	70-130			
Di-isopropyl ether	21.7	0.40	0.50	ug/L	20.0		109	83-132			
Ethyl methacrylate	18.6	0.30	10	ug/L	20.0		93.1	70-130			
Ethanol	1010	50	50	ug/L	980		103	50-150			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

LCS (AA83667-BS1)

Prepared & Analyzed: 01/10/18

Ethylbenzene	22.8	0.40	0.50	ug/L	20.0		114	84-124			
Ethyl tert-butyl ether	20.1	0.40	0.50	ug/L	20.0		100	74-127			
Hexachloroethane	22.4	0.40	1.0	ug/L	20.0		112	70-130			
Hexachlorobutadiene	19.7	0.50	0.50	ug/L	20.0		98.6	75-135			
2-Hexanone	20.2	4.0	5.0	ug/L	20.0		101	70-130			
Isobutanol	2000	40	100	ug/L	2000		99.9	70-130			
Isopropylbenzene	21.8	0.40	0.50	ug/L	20.0		109	75-116			
p-Isopropyltoluene	20.2	0.40	0.50	ug/L	20.0		101	78-124			
Methylene chloride	22.4	0.50	0.50	ug/L	20.0		112	72-132			
Methacrylonitrile	20.1	0.40	1.0	ug/L	20.0		100	70-130			
Methyl ethyl ketone	39.9	0.70	1.0	ug/L	40.0		99.8	58-157			
Methyl iodide	21.3	0.40	2.0	ug/L	20.0		106	56-167			
Methyl isobutyl ketone	38.4	0.60	1.0	ug/L	40.0		96.0	70-130			
Methyl methacrylate	17.7	0.40	1.0	ug/L	20.0		88.7	70-130			
Methyl tert-butyl ether	18.3	0.50	0.50	ug/L	20.0		91.3	84-119			
Naphthalene	14.7	0.50	0.50	ug/L	20.0		73.6	70-130			
Propionitrile	1050	20	50	ug/L	1000		105	70-130			
n-Propylbenzene	21.4	0.40	0.50	ug/L	20.0		107	75-127			
Styrene	21.5	0.40	0.50	ug/L	20.0		108	80-125			
Tert-amyl methyl ether	18.2	0.40	0.50	ug/L	20.0		91.2	74-120			
Tert-butyl alcohol	395	6.0	10	ug/L	400		98.7	66-147			
1,1,1,2-Tetrachloroethane	20.9	0.40	0.50	ug/L	20.0		105	80-132			
1,1,2,2-Tetrachloroethane	20.8	0.30	0.50	ug/L	20.0		104	84-115			
Tetrachloroethene	21.1	0.40	0.50	ug/L	20.0		106	56-156			
Tetrahydrofuran	21.3	4.0	5.0	ug/L	20.0		107	70-130			
Toluene	22.2	0.30	0.30	ug/L	20.0		111	76-137			
1,2,4-Trichlorobenzene	16.3	0.20	0.50	ug/L	20.0		81.4	70-130			
1,2,3-Trichlorobenzene	16.2	0.50	0.50	ug/L	20.0		81.0	70-130			
1,1,1-Trichloroethane	20.6	0.40	0.50	ug/L	20.0		103	70-130			
1,1,2-Trichloroethane	20.5	0.40	0.50	ug/L	20.0		103	83-122			
Trichloroethene	21.0	0.40	0.50	ug/L	20.0		105	84-123			
Trichlorofluoromethane	22.0	0.50	0.50	ug/L	20.0		110	74-130			
1,2,3-Trichloropropane	20.8	0.40	0.50	ug/L	20.0		104	78-122			
Trichlorotrifluoroethane	21.6	0.50	0.50	ug/L	20.0		108	82-125			
1,2,4-Trimethylbenzene	20.3	0.40	0.50	ug/L	20.0		101	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 (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

LCS (AA83667-BS1)

Prepared & Analyzed: 01/10/18

1,3,5-Trimethylbenzene	20.4	0.30	0.50	ug/L	20.0		102	80-125			
Vinyl acetate	44.4	0.80	1.0	ug/L	40.0		111	60-140			
Vinyl chloride	23.4	0.40	0.50	ug/L	20.0		117	70-130			
m,p-Xylene	46.1	0.50	0.50	ug/L	40.0		115	81-124			
o-Xylene	22.8	0.40	0.50	ug/L	20.0		114	80-126			
Xylenes (total)	68.9	0.50	0.50	ug/L	60.0		115	81-126			
Surrogate: Bromofluorobenzene	27.6			ug/L	25.0		111	81-135			
Surrogate: Dibromofluoromethane	24.7			ug/L	25.0		98.8	46-130			
Surrogate: Toluene-d8	27.2			ug/L	25.0		109	59-132			

LCS Dup (AA83667-BSD1)

Prepared & Analyzed: 01/10/18

Acetone	72.7	0.90	5.0	ug/L	80.0		90.8	48-124	1.71	25	
Acetonitrile	2030	50	100	ug/L	2000		102	70-130	0.616	25	
Acrylonitrile	20.4	0.40	5.0	ug/L	20.0		102	70-130	2.85	25	
Allyl chloride	24.6	0.40	10	ug/L	20.0		123	70-130	3.40	25	
Benzene	20.3	0.30	0.30	ug/L	20.0		101	82-122	0.492	25	
Bromobenzene	21.8	0.40	0.50	ug/L	20.0		109	83-122	0.550	25	
Bromochloromethane	19.8	0.40	0.50	ug/L	20.0		99.2	83-124	1.20	25	
Bromodichloromethane	21.9	0.40	0.50	ug/L	20.0		110	86-135	1.15	25	
Bromoform	22.5	0.30	0.50	ug/L	20.0		113	76-144	0.972	25	
Bromomethane	22.6	0.40	0.50	ug/L	20.0		113	69-145	5.07	25	
n-Butylbenzene	19.4	0.40	0.50	ug/L	20.0		97.1	79-132	1.56	25	
sec-Butylbenzene	23.8	0.40	0.50	ug/L	20.0		119	86-132	0.461	25	
tert-Butylbenzene	20.9	0.30	0.50	ug/L	20.0		105	82-126	1.19	25	
Carbon disulfide	22.0	0.40	5.0	ug/L	20.0		110	70-130	0.777	30	
Carbon tetrachloride	22.0	0.40	0.50	ug/L	20.0		110	77-134	1.33	25	
Chlorobenzene	20.5	0.30	0.50	ug/L	20.0		103	84-119	0.389	25	
Chloroethane	23.8	0.40	0.50	ug/L	20.0		119	68-133	10.6	25	
Chloroform	21.0	0.40	0.50	ug/L	20.0		105	81-122	1.39	25	
Chloromethane	24.0	0.40	0.50	ug/L	20.0		120	63-129	2.02	25	
Chloroprene	23.2	0.40	1.0	ug/L	20.0		116	70-130	0.649	25	
2-Chlorotoluene	23.2	0.40	0.50	ug/L	20.0		116	79-132	1.74	25	
4-Chlorotoluene	22.9	0.30	0.50	ug/L	20.0		115	80-122	0.131	25	
Dibromochloromethane	21.7	0.40	0.50	ug/L	20.0		108	83-135	1.16	25	
1,2-Dibromo-3-chloropropane	18.9	0.60	2.0	ug/L	20.0		94.6	73-128	2.08	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

LCS Dup (AA83667-BSD1)

Prepared & Analyzed: 01/10/18

1,2-Dibromoethane (EDB)	21.3	0.40	0.50	ug/L	20.0		107	80-120	1.13	25	
Dibromomethane	20.7	0.40	0.50	ug/L	20.0		104	82-124	0.289	25	
1,2-Dichlorobenzene	20.6	0.40	0.50	ug/L	20.0		103	84-121	0.339	25	
1,3-Dichlorobenzene	21.1	0.40	0.50	ug/L	20.0		105	80-120	0.142	25	
1,4-Dichlorobenzene	19.9	0.30	0.50	ug/L	20.0		99.4	84-120	1.01	25	
trans-1,4-Dichloro-2-butene	24.0	0.50	5.0	ug/L	20.0		120	90-145	1.86	30	
Dichlorodifluoromethane	23.4	0.40	0.50	ug/L	20.0		117	52-142	5.49	25	
1,1-Dichloroethane	20.8	0.50	0.50	ug/L	20.0		104	81-126	0.336	25	
1,2-Dichloroethane	20.2	0.40	0.50	ug/L	20.0		101	77-117	0.997	25	
1,1-Dichloroethene	19.1	0.30	0.50	ug/L	20.0		95.6	71-151	1.04	25	
cis-1,2-Dichloroethene	21.4	0.40	0.50	ug/L	20.0		107	84-131	0.657	25	
trans-1,2-Dichloroethene	20.7	0.40	0.50	ug/L	20.0		104	79-128	2.10	25	
1,2-Dichloropropane	21.6	0.40	0.50	ug/L	20.0		108	82-125	1.87	25	
1,3-Dichloropropane	21.1	0.40	0.50	ug/L	20.0		105	83-120	0.237	25	
2,2-Dichloropropane	24.3	0.50	0.50	ug/L	20.0		122	80-125	1.28	25	
1,1-Dichloropropene	21.3	0.40	0.50	ug/L	20.0		107	85-130	1.75	25	
cis-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0		102	83-128	1.03	25	
trans-1,3-Dichloropropene	20.9	0.40	0.50	ug/L	20.0		104	67-129	2.48	25	
Diethyl ether	20.7	0.50	1.0	ug/L	20.0		104	70-130	4.03	25	
Di-isopropyl ether	22.2	0.40	0.50	ug/L	20.0		111	83-132	2.32	25	
Ethyl methacrylate	19.1	0.30	10	ug/L	20.0		95.4	70-130	2.39	25	
Ethanol	1120	50	50	ug/L	980		114	50-150	9.95	25	
Ethylbenzene	23.0	0.40	0.50	ug/L	20.0		115	84-124	0.830	25	
Hexachlorobutadiene	20.1	0.50	0.50	ug/L	20.0		100	75-135	1.76	25	
Hexachloroethane	22.9	0.40	1.0	ug/L	20.0		114	70-130	1.85	25	
Ethyl tert-butyl ether	20.6	0.40	0.50	ug/L	20.0		103	74-127	2.41	25	
2-Hexanone	19.6	4.0	5.0	ug/L	20.0		98.2	70-130	2.61	30	
Isopropylbenzene	21.7	0.40	0.50	ug/L	20.0		108	75-116	0.643	25	
Isobutanol	2000	40	100	ug/L	2000		100	70-130	0.352	25	
p-Isopropyltoluene	20.3	0.40	0.50	ug/L	20.0		101	78-124	0.346	25	
Methacrylonitrile	19.7	0.40	1.0	ug/L	20.0		98.6	70-130	1.91	25	
Methylene chloride	22.4	0.50	0.50	ug/L	20.0		112	72-132	0.178	25	
Methyl ethyl ketone	41.7	0.70	1.0	ug/L	40.0		104	58-157	4.31	25	
Methyl iodide	21.6	0.40	2.0	ug/L	20.0		108	56-167	1.21	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

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 AA83667 - VOAs in Water GCMS

LCS Dup (AA83667-BSD1)

Prepared & Analyzed: 01/10/18

Methyl methacrylate	18.3	0.40	1.0	ug/L	20.0		91.6	70-130	3.16	25	
Methyl isobutyl ketone	38.7	0.60	1.0	ug/L	40.0		96.8	70-130	0.752	25	
Methyl tert-butyl ether	19.1	0.50	0.50	ug/L	20.0		95.4	84-119	4.34	25	
Propionitrile	1030	20	50	ug/L	1000		103	70-130	1.95	25	
Naphthalene	16.9	0.50	0.50	ug/L	20.0		84.4	70-130	13.7	25	
n-Propylbenzene	21.1	0.40	0.50	ug/L	20.0		105	75-127	1.60	25	
Styrene	21.6	0.40	0.50	ug/L	20.0		108	80-125	0.325	25	
Tert-amyl methyl ether	18.6	0.40	0.50	ug/L	20.0		92.8	74-120	1.63	25	
Tert-butyl alcohol	403	6.0	10	ug/L	400		101	66-147	2.03	25	
1,1,1,2-Tetrachloroethane	21.0	0.40	0.50	ug/L	20.0		105	80-132	0.191	25	
1,1,2,2-Tetrachloroethane	20.6	0.30	0.50	ug/L	20.0		103	84-115	0.724	25	
Tetrachloroethene	21.0	0.40	0.50	ug/L	20.0		105	56-156	0.475	25	
Tetrahydrofuran	19.8	4.0	5.0	ug/L	20.0		98.9	70-130	7.49	25	
Toluene	22.2	0.30	0.30	ug/L	20.0		111	76-137	0.00	25	
1,2,3-Trichlorobenzene	18.6	0.50	0.50	ug/L	20.0		92.8	70-130	13.6	25	
1,2,4-Trichlorobenzene	17.6	0.20	0.50	ug/L	20.0		88.1	70-130	7.84	25	
1,1,1-Trichloroethane	21.2	0.40	0.50	ug/L	20.0		106	70-130	2.68	25	
1,1,2-Trichloroethane	20.4	0.40	0.50	ug/L	20.0		102	83-122	0.586	25	
Trichloroethene	20.7	0.40	0.50	ug/L	20.0		103	84-123	1.44	25	
Trichlorofluoromethane	21.9	0.50	0.50	ug/L	20.0		109	74-130	0.502	25	
1,2,3-Trichloropropane	20.8	0.40	0.50	ug/L	20.0		104	78-122	0.0961	25	
Trichlorotrifluoroethane	21.3	0.50	0.50	ug/L	20.0		107	82-125	1.12	25	
1,2,4-Trimethylbenzene	20.5	0.40	0.50	ug/L	20.0		102	85-127	1.03	25	
1,3,5-Trimethylbenzene	20.6	0.30	0.50	ug/L	20.0		103	80-125	0.731	25	
Vinyl acetate	44.7	0.80	1.0	ug/L	40.0		112	60-140	0.876	25	
Vinyl chloride	19.1	0.40	0.50	ug/L	20.0		95.4	70-130	20.6	25	
m,p-Xylene	45.9	0.50	0.50	ug/L	40.0		115	81-124	0.391	25	
o-Xylene	22.7	0.40	0.50	ug/L	20.0		114	80-126	0.439	25	
Xylenes (total)	68.6	0.50	0.50	ug/L	60.0		114	81-126	0.407	25	
Surrogate: Bromofluorobenzene	27.9			ug/L	25.0		112	81-135			
Surrogate: Dibromofluoromethane	25.0			ug/L	25.0		100	46-130			
Surrogate: Toluene-d8	27.4			ug/L	25.0		110	59-132			

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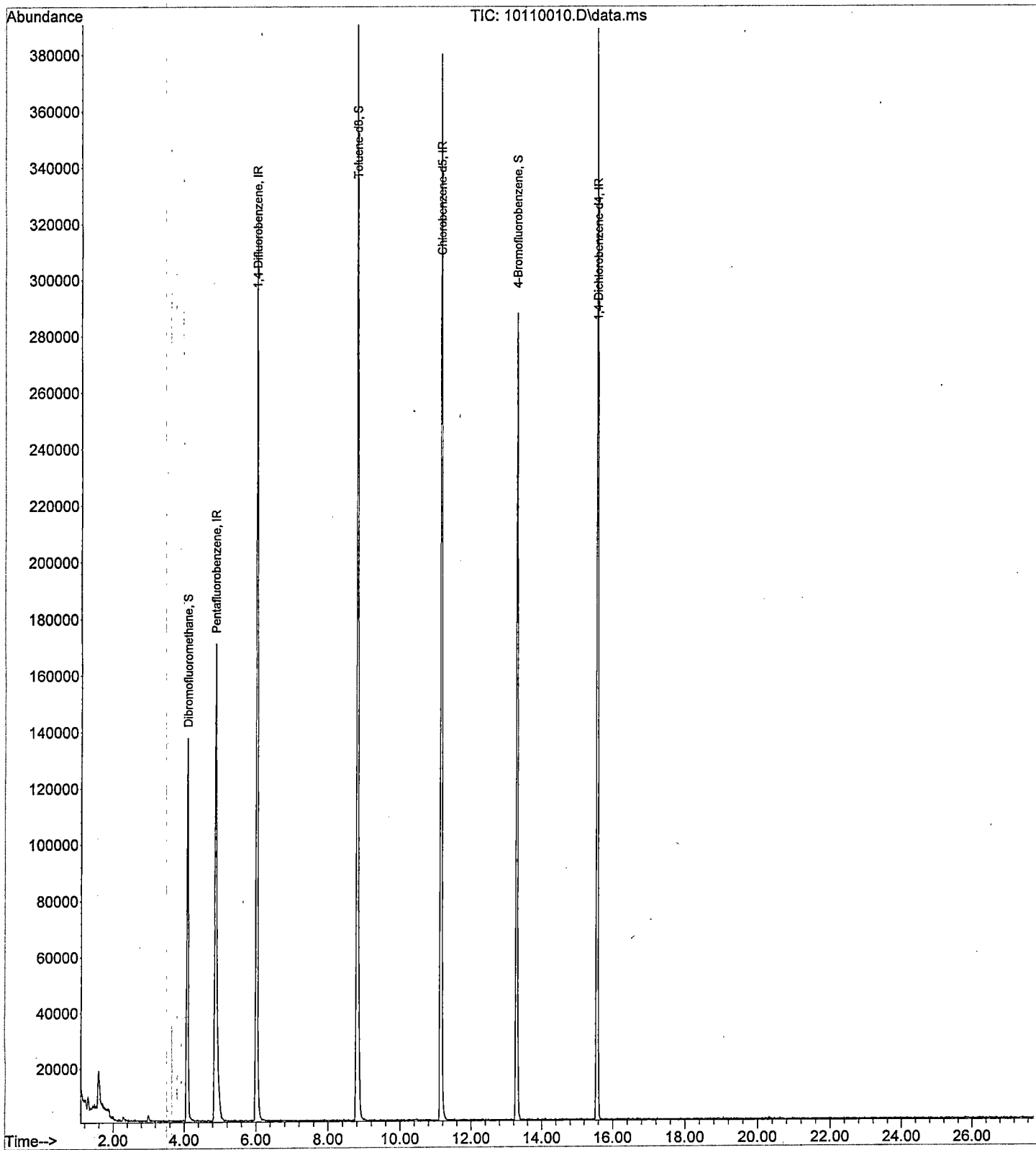
Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Navy Silicone Batch Number 147280-1

Reported:
01/22/18 11:33

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- 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:\Data\011018\10110010.D
Operator : MM
Acquired : 10 Jan 2018 3:07 pm using AcqMethod MS1INS.M
Instrument : GCMS1
Sample Name: 18A0606-01
Misc Info :
Vial Number: 10



File :C:\msdchem\1\data\011118\40111013.D
Operator :JV
Acquired : 11 Jan 2018 3:06 pm using AcqMethod MS4INS_BFBATUNE.M
Instrument : GCMS4
Sample Name: 18A0606-02
Misc Info :
Vial Number: 13

