



*alpha*

Alpha Analytical Laboratories, Inc.

email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

07 June 2019

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Amber VOA (NP)

Work Order: 19E2890

Enclosed are the results of analyses for samples received by the laboratory on 05/24/19 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chelsea L. Sandelin

Project Manager



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

Project Manager: Quality Control Manager  
Project: QC- 40ml Amber VOA (NP)  
Project Number: Silicone Batch Number 2019032803

Reported:  
06/07/19 16:50

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728  
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922  
North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303  
San Diego Service Center: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A9141CUBS - 01	19E2890-01	Water	05/24/19 00:00	05/24/19 08:00
A9141CUBS - 02	19E2890-02	Water	05/24/19 00:00	05/24/19 08:00



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**Volatile Organic Compounds by EPA Method 524.2**

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

**A9141CUBS - 02 (19E2890-02) Water** Sampled: 05/24/19 00:00 Received: 05/24/19 08:00

Acetone	ND	2.0	5.0	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Benzene	ND	0.10	0.30	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Bromobenzene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Chlorobenzene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Dibromomethane	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2-Dichloroethane	ND	0.10	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,1-Dichloroethene	ND	0.30	0.30	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,3-Dichloropropane	ND	0.10	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

### Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>A9141CUBS - 02 (19E2890-02) Water    Sampled: 05/24/19 00:00    Received: 05/24/19 08:00</b>												
1,1-Dichloropropene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Ethylbenzene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Isopropylbenzene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.20	1.0		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.30	1.0		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Styrene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Tetrachloroethene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Trichloroethene	ND	0.10	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.10	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
m,p-Xylene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
o-Xylene	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Xylenes (total)	ND	0.20	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**Volatile Organic Compounds by EPA Method 524.2**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>A9141CUBS - 02 (19E2890-02) Water    Sampled: 05/24/19 00:00    Received: 05/24/19 08:00</b>												
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50		ug/L	1	AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	U
<i>Surrogate: Bromofluorobenzene</i>			117 %				AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	
<i>Surrogate: Dibromofluoromethane</i>			102 %				AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	
<i>Surrogate: Toluene-d8</i>			120 %				AE94329	05/30/19 11:00	05/30/19 15:09	EPA 524.2	JV	



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

**A9141CUBS - 01 (19E2890-01) Water**    **Sampled: 05/24/19 00:00**    **Received: 05/24/19 08:00**

Acetone	ND	3.0	5.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Acetonitrile	ND	50	100	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Allyl chloride	ND	0.40	10	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Benzene	ND	0.30	0.30	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Bromoform	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Bromomethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Chloroethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Chloroform	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Chloromethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Chloroprene	ND	0.40	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1-Dichloroethane	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

**A9141CUBS - 01 (19E2890-01) Water** Sampled: 05/24/19 00:00 Received: 05/24/19 08:00

1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
2,2-Dichloropropane	ND	0.50	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Ethanol	ND	20	50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Isobutanol	ND	40	100	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Naphthalene	ND	0.50	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Propionitrile	ND	20	50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Styrene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Toluene	ND	0.30	0.30	ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>A9141CUBS - 01 (19E2890-01) Water    Sampled: 05/24/19 00:00    Received: 05/24/19 08:00</b>												
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Trichloroethene	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Trichlorofluoromethane	ND	0.20	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Trichlorotrifluoroethane	ND	0.20	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
o-Xylene	ND	0.40	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	U
Surrogate: Bromofluorobenzene		105 %	70-130				AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	
Surrogate: Dibromofluoromethane		98.5 %	70-130				AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	
Surrogate: Toluene-d8		103 %	70-130				AF93087	06/04/19 10:00	06/04/19 11:10	EPA 8260	JV	





Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

**Blank (AE94329-BLK1)**

Prepared: 05/29/19 Analyzed: 05/30/19

Acetone	ND	2.0	5.0	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.10	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	0.20	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	0.10	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.30	ug/L							U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L							U
1,2-Dichloropropane	ND	0.20	0.50	ug/L							U
1,3-Dichloropropane	ND	0.10	0.50	ug/L							U
2,2-Dichloropropane	ND	0.30	0.50	ug/L							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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

**Blank (AE94329-BLK1)**

Prepared: 05/29/19 Analyzed: 05/30/19

1,1-Dichloropropene	ND	0.20	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	0.20	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
Hexachlorobutadiene	ND	0.40	0.50	ug/L							U
Isopropylbenzene	ND	0.20	0.50	ug/L							U
p-Isopropyltoluene	ND	0.50	0.50	ug/L							U
Methyl ethyl ketone	ND	0.20	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl isobutyl ketone	ND	0.30	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	0.20	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	0.10	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	0.10	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	0.20	0.50	ug/L							U
o-Xylene	ND	0.20	0.50	ug/L							U
Xylenes (total)	ND	0.20	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

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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

**Blank (AE94329-BLK1)**

Prepared: 05/29/19 Analyzed: 05/30/19

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	30.2			ug/L	25.0		121	70-130			
Surrogate: Dibromofluoromethane	26.2			ug/L	25.0		105	70-130			
Surrogate: Toluene-d8	29.8			ug/L	25.0		119	70-130			

**LCS (AE94329-BS1)**

Prepared: 05/29/19 Analyzed: 05/30/19

Acetone	21.1	2.0	5.0	ug/L	20.0		106	70-130			
Acrylonitrile	5.95	0.40	5.0	ug/L	5.00		119	70-130			
Benzene	5.43	0.10	0.30	ug/L	5.00		109	70-130			
Bromobenzene	5.65	0.20	0.50	ug/L	5.00		113	70-130			
Bromochloromethane	5.47	0.40	0.50	ug/L	5.00		109	70-130			
Bromodichloromethane	5.59	0.20	0.50	ug/L	5.00		112	70-130			
Bromoform	6.04	0.30	0.50	ug/L	5.00		121	70-130			
Bromomethane	5.41	0.40	0.50	ug/L	5.00		108	70-130			
n-Butylbenzene	5.35	0.50	0.50	ug/L	5.00		107	70-130			
sec-Butylbenzene	5.41	0.20	0.50	ug/L	5.00		108	70-130			
tert-Butylbenzene	5.42	0.50	0.50	ug/L	5.00		108	70-130			
Carbon disulfide	4.97	0.40	0.50	ug/L	5.00		99.4	70-130			
Carbon tetrachloride	4.32	0.30	0.50	ug/L	5.00		86.4	70-130			
Chlorobenzene	5.46	0.20	0.50	ug/L	5.00		109	70-130			
Chloroethane	5.42	0.30	0.50	ug/L	5.00		108	70-130			
Chloroform	5.32	0.30	0.50	ug/L	5.00		106	70-130			
Chloromethane	5.83	0.40	0.50	ug/L	5.00		117	70-130			
2-Chlorotoluene	5.51	0.20	0.50	ug/L	5.00		110	70-130			
4-Chlorotoluene	5.42	0.20	0.50	ug/L	5.00		108	70-130			
Dibromochloromethane	6.20	0.30	0.50	ug/L	5.00		124	70-130			
1,2-Dibromo-3-chloropropane	4.35	0.50	0.50	ug/L	5.00		87.0	70-130			
1,2-Dibromoethane (EDB)	5.57	0.20	0.50	ug/L	5.00		111	70-130			
Dibromomethane	5.23	0.20	0.50	ug/L	5.00		105	70-130			
1,2-Dichlorobenzene	5.41	0.20	0.50	ug/L	5.00		108	70-130			
1,3-Dichlorobenzene	5.51	0.20	0.50	ug/L	5.00		110	70-130			
1,4-Dichlorobenzene	5.37	0.20	0.50	ug/L	5.00		107	70-130			
trans-1,4-Dichloro-2-butene	5.24	0.90	5.0	ug/L	5.00		105	70-130			
Dichlorodifluoromethane	6.33	0.50	0.50	ug/L	5.00		127	70-130			
1,1-Dichloroethane	5.11	0.20	0.50	ug/L	5.00		102	70-130			
1,2-Dichloroethane	5.16	0.10	0.50	ug/L	5.00		103	70-130			

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

LCS (AE94329-BS1)	Prepared: 05/29/19 Analyzed: 05/30/19										
1,1-Dichloroethene	5.12	0.30	0.30	ug/L	5.00		102	70-130			
cis-1,2-Dichloroethene	5.32	0.10	0.50	ug/L	5.00		106	70-130			
trans-1,2-Dichloroethene	4.89	0.10	0.50	ug/L	5.00		97.8	70-130			
1,2-Dichloropropane	5.05	0.20	0.50	ug/L	5.00		101	70-130			
1,3-Dichloropropane	5.51	0.10	0.50	ug/L	5.00		110	70-130			
2,2-Dichloropropane	4.63	0.30	0.50	ug/L	5.00		92.6	70-130			
1,1-Dichloropropene	5.51	0.20	0.50	ug/L	5.00		110	70-130			
cis-1,3-Dichloropropene	4.20	0.30	0.50	ug/L	5.00		84.0	70-130			
trans-1,3-Dichloropropene	4.40	0.30	0.50	ug/L	5.00		88.0	70-130			
2-Hexanone	5.27	0.50	5.0	ug/L	5.00		105	70-130			
Ethylbenzene	5.36	0.20	0.50	ug/L	5.00		107	70-130			
Hexachlorobutadiene	5.37	0.40	0.50	ug/L	5.00		107	70-130			
Isopropylbenzene	5.74	0.20	0.50	ug/L	5.00		115	70-130			
p-Isopropyltoluene	5.43	0.50	0.50	ug/L	5.00		109	70-130			
Methyl ethyl ketone	11.2	0.20	1.0	ug/L	10.0		112	70-130			
Methyl iodide	5.79	0.40	2.0	ug/L	5.00		116	70-130			
Methyl isobutyl ketone	11.0	0.30	1.0	ug/L	10.0		110	70-130			
Methylene chloride	5.73	0.40	0.50	ug/L	5.00		115	70-130			
Naphthalene	5.04	0.50	0.50	ug/L	5.00		101	70-130			
n-Propylbenzene	5.56	0.50	0.50	ug/L	5.00		111	70-130			
Styrene	5.63	0.20	0.50	ug/L	5.00		113	70-130			
1,1,1,2-Tetrachloroethane	4.58	0.40	0.50	ug/L	5.00		91.6	70-130			
1,1,1,2,2-Tetrachloroethane	5.42	0.20	0.50	ug/L	5.00		108	70-130			
Tetrachloroethene	5.52	0.20	0.50	ug/L	5.00		110	70-130			
Toluene	5.60	0.30	0.50	ug/L	5.00		112	70-130			
1,2,3-Trichlorobenzene	5.70	0.40	0.50	ug/L	5.00		114	70-130			
1,2,4-Trichlorobenzene	5.39	0.40	0.50	ug/L	5.00		108	70-130			
1,1,1-Trichloroethane	4.77	0.40	0.50	ug/L	5.00		95.4	70-130			
1,1,2-Trichloroethane	5.43	0.20	0.50	ug/L	5.00		109	70-130			
Trichloroethene	5.09	0.10	0.50	ug/L	5.00		102	70-130			
Trichlorofluoromethane	6.45	0.50	0.50	ug/L	5.00		129	70-130			
Trichlorotrifluoroethane	5.38	0.40	0.50	ug/L	5.00		108	70-130			
1,2,3-Trichloropropane	5.71	0.10	0.50	ug/L	5.00		114	70-130			
1,2,4-Trimethylbenzene	5.72	0.50	0.50	ug/L	5.00		114	70-130			
1,3,5-Trimethylbenzene	5.50	0.50	0.50	ug/L	5.00		110	70-130			
Vinyl chloride	5.67	0.50	0.50	ug/L	5.00		113	70-130			

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

<b>LCS (AE94329-BS1)</b>		Prepared: 05/29/19 Analyzed: 05/30/19									
m,p-Xylene	10.9	0.20	0.50	ug/L	10.0		109	70-130			
o-Xylene	5.47	0.20	0.50	ug/L	5.00		109	70-130			
Xylenes (total)	16.4	0.20	0.50	ug/L	15.0		109	70-130			
Methyl tert-butyl ether	6.15	0.50	3.0	ug/L	5.00		123	70-130			
Ethyl tert-butyl ether	5.31	0.40	0.50	ug/L	5.00		106	70-130			
Tert-amyl methyl ether	5.58	0.30	0.50	ug/L	5.00		112	70-130			
Surrogate: Bromofluorobenzene	30.3			ug/L	25.0		121	70-130			
Surrogate: Dibromofluoromethane	27.7			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	29.1			ug/L	25.0		117	70-130			

<b>LCS Dup (AE94329-BS1)</b>		Prepared: 05/29/19 Analyzed: 05/30/19									
Acetone	23.9	2.0	5.0	ug/L	20.0		120	70-130	12.6	30	
Acrylonitrile	5.72	0.40	5.0	ug/L	5.00		114	70-130	3.94	30	
Benzene	5.42	0.10	0.30	ug/L	5.00		108	70-130	0.184	30	
Bromobenzene	5.76	0.20	0.50	ug/L	5.00		115	70-130	1.93	30	
Bromochloromethane	5.63	0.40	0.50	ug/L	5.00		113	70-130	2.88	30	
Bromodichloromethane	5.98	0.20	0.50	ug/L	5.00		120	70-130	6.74	30	
Bromoform	6.02	0.30	0.50	ug/L	5.00		120	70-130	0.332	30	
Bromomethane	5.63	0.40	0.50	ug/L	5.00		113	70-130	3.99	30	
n-Butylbenzene	5.74	0.50	0.50	ug/L	5.00		115	70-130	7.03	30	
sec-Butylbenzene	5.65	0.20	0.50	ug/L	5.00		113	70-130	4.34	30	
tert-Butylbenzene	5.82	0.50	0.50	ug/L	5.00		116	70-130	7.12	30	
Carbon disulfide	4.99	0.40	0.50	ug/L	5.00		99.8	70-130	0.402	30	
Carbon tetrachloride	4.65	0.30	0.50	ug/L	5.00		93.0	70-130	7.36	30	
Chlorobenzene	5.62	0.20	0.50	ug/L	5.00		112	70-130	2.89	30	
Chloroethane	5.65	0.30	0.50	ug/L	5.00		113	70-130	4.16	30	
Chloroform	5.41	0.30	0.50	ug/L	5.00		108	70-130	1.68	30	
Chloromethane	6.00	0.40	0.50	ug/L	5.00		120	70-130	2.87	30	
2-Chlorotoluene	5.74	0.20	0.50	ug/L	5.00		115	70-130	4.09	30	
4-Chlorotoluene	5.74	0.20	0.50	ug/L	5.00		115	70-130	5.73	30	
Dibromochloromethane	6.41	0.30	0.50	ug/L	5.00		128	70-130	3.33	30	
1,2-Dibromo-3-chloropropane	4.47	0.50	0.50	ug/L	5.00		89.4	70-130	2.72	25	
1,2-Dibromoethane (EDB)	5.72	0.20	0.50	ug/L	5.00		114	70-130	2.66	25	
Dibromomethane	5.25	0.20	0.50	ug/L	5.00		105	70-130	0.382	30	
1,2-Dichlorobenzene	5.69	0.20	0.50	ug/L	5.00		114	70-130	5.05	30	
1,3-Dichlorobenzene	5.73	0.20	0.50	ug/L	5.00		115	70-130	3.91	30	
trans-1,4-Dichloro-2-butene	5.27	0.90	5.0	ug/L	5.00		105	70-130	0.571	25	

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

**LCS Dup (AE94329-BSD1)**

Prepared: 05/29/19 Analyzed: 05/30/19

1,4-Dichlorobenzene	5.52	0.20	0.50	ug/L	5.00		110	70-130	2.75	30	
Dichlorodifluoromethane	6.35	0.50	0.50	ug/L	5.00		127	70-130	0.315	30	
1,1-Dichloroethane	5.26	0.20	0.50	ug/L	5.00		105	70-130	2.89	30	
1,2-Dichloroethane	5.26	0.10	0.50	ug/L	5.00		105	70-130	1.92	30	
1,1-Dichloroethene	5.12	0.30	0.30	ug/L	5.00		102	70-130	0.00	30	
cis-1,2-Dichloroethene	5.52	0.10	0.50	ug/L	5.00		110	70-130	3.69	30	
trans-1,2-Dichloroethene	5.03	0.10	0.50	ug/L	5.00		101	70-130	2.82	30	
1,2-Dichloropropane	5.19	0.20	0.50	ug/L	5.00		104	70-130	2.73	30	
1,3-Dichloropropane	5.85	0.10	0.50	ug/L	5.00		117	70-130	5.99	30	
2,2-Dichloropropane	4.94	0.30	0.50	ug/L	5.00		98.8	70-130	6.48	30	
1,1-Dichloropropene	5.75	0.20	0.50	ug/L	5.00		115	70-130	4.26	30	
cis-1,3-Dichloropropene	4.33	0.30	0.50	ug/L	5.00		86.6	70-130	3.05	30	
trans-1,3-Dichloropropene	4.53	0.30	0.50	ug/L	5.00		90.6	70-130	2.91	30	
Ethylbenzene	5.62	0.20	0.50	ug/L	5.00		112	70-130	4.74	30	
2-Hexanone	5.33	0.50	5.0	ug/L	5.00		107	70-130	1.13	25	
Hexachlorobutadiene	5.86	0.40	0.50	ug/L	5.00		117	70-130	8.73	30	
Isopropylbenzene	5.96	0.20	0.50	ug/L	5.00		119	70-130	3.76	30	
p-Isopropyltoluene	5.73	0.50	0.50	ug/L	5.00		115	70-130	5.38	30	
Methyl ethyl ketone	11.2	0.20	1.0	ug/L	10.0		112	70-130	0.268	30	
Methyl iodide	5.74	0.40	2.0	ug/L	5.00		115	70-130	0.867	25	
Methyl isobutyl ketone	11.1	0.30	1.0	ug/L	10.0		111	70-130	0.452	30	
Methylene chloride	5.46	0.40	0.50	ug/L	5.00		109	70-130	4.83	30	
Naphthalene	5.22	0.50	0.50	ug/L	5.00		104	70-130	3.51	30	
n-Propylbenzene	5.81	0.50	0.50	ug/L	5.00		116	70-130	4.40	30	
Styrene	5.73	0.20	0.50	ug/L	5.00		115	70-130	1.76	30	
1,1,1,2-Tetrachloroethane	4.64	0.40	0.50	ug/L	5.00		92.8	70-130	1.30	30	
1,1,2,2-Tetrachloroethane	5.46	0.20	0.50	ug/L	5.00		109	70-130	0.735	30	
Tetrachloroethene	5.82	0.20	0.50	ug/L	5.00		116	70-130	5.29	30	
Toluene	5.98	0.30	0.50	ug/L	5.00		120	70-130	6.56	30	
1,2,3-Trichlorobenzene	6.03	0.40	0.50	ug/L	5.00		121	70-130	5.63	30	
1,2,4-Trichlorobenzene	5.74	0.40	0.50	ug/L	5.00		115	70-130	6.29	30	
1,1,1-Trichloroethane	4.95	0.40	0.50	ug/L	5.00		99.0	70-130	3.70	30	
1,1,2-Trichloroethane	5.60	0.20	0.50	ug/L	5.00		112	70-130	3.08	30	
Trichloroethene	5.36	0.10	0.50	ug/L	5.00		107	70-130	5.17	30	
Trichlorofluoromethane	6.47	0.50	0.50	ug/L	5.00		129	70-130	0.310	30	
Trichlorotrifluoroethane	5.69	0.40	0.50	ug/L	5.00		114	70-130	5.60	30	

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

**LCS Dup (AE94329-BSD1)**

Prepared: 05/29/19 Analyzed: 05/30/19

1,2,3-Trichloropropane	5.77	0.10	0.50	ug/L	5.00	115	70-130	1.05	25	
1,2,4-Trimethylbenzene	5.99	0.50	0.50	ug/L	5.00	120	70-130	4.61	30	
1,3,5-Trimethylbenzene	5.85	0.50	0.50	ug/L	5.00	117	70-130	6.17	30	
Vinyl chloride	5.89	0.50	0.50	ug/L	5.00	118	70-130	3.81	30	
m,p-Xylene	11.5	0.20	0.50	ug/L	10.0	115	70-130	5.17	30	
o-Xylene	5.75	0.20	0.50	ug/L	5.00	115	70-130	4.99	30	
Xylenes (total)	17.3	0.20	0.50	ug/L	15.0	115	70-130	5.11	30	
Methyl tert-butyl ether	6.09	0.50	3.0	ug/L	5.00	122	70-130	0.980	30	
Ethyl tert-butyl ether	5.86	0.40	0.50	ug/L	5.00	117	70-130	9.85	30	
Tert-amyl methyl ether	5.91	0.30	0.50	ug/L	5.00	118	70-130	5.74	30	
Surrogate: Bromofluorobenzene	30.4			ug/L	25.0	122	70-130			
Surrogate: Dibromofluoromethane	26.7			ug/L	25.0	107	70-130			
Surrogate: Toluene-d8	29.7			ug/L	25.0	119	70-130			

**Matrix Spike (AE94329-MS1)**

Source: 19E2826-01

Prepared: 05/29/19 Analyzed: 05/30/19

QM-05

Acetone	31.8	2.0	5.0	ug/L	20.0	ND	159	70-130		
Acrylonitrile	6.30	0.40	5.0	ug/L	5.00	ND	126	70-130		
Benzene	6.40	0.10	0.30	ug/L	5.00	ND	128	70-130		
Bromobenzene	6.34	0.20	0.50	ug/L	5.00	ND	127	70-130		
Bromochloromethane	6.17	0.40	0.50	ug/L	5.00	ND	123	70-130		
Bromodichloromethane	6.04	0.20	0.50	ug/L	5.00	ND	121	70-130		
Bromoform	6.14	0.30	0.50	ug/L	5.00	ND	123	70-130		
Bromomethane	6.73	0.40	0.50	ug/L	5.00	ND	135	70-130		
n-Butylbenzene	6.57	0.50	0.50	ug/L	5.00	ND	131	70-130		
sec-Butylbenzene	6.60	0.20	0.50	ug/L	5.00	ND	132	70-130		
tert-Butylbenzene	6.70	0.50	0.50	ug/L	5.00	ND	134	70-130		
Carbon disulfide	6.04	0.40	0.50	ug/L	5.00	ND	121	70-130		
Carbon tetrachloride	5.10	0.30	0.50	ug/L	5.00	ND	102	70-130		
Chlorobenzene	6.32	0.20	0.50	ug/L	5.00	ND	126	70-130		
Chloroethane	6.57	0.30	0.50	ug/L	5.00	ND	131	70-130		
Chloroform	6.16	0.30	0.50	ug/L	5.00	ND	123	70-130		
Chloromethane	6.84	0.40	0.50	ug/L	5.00	ND	137	70-130		
2-Chlorotoluene	6.51	0.20	0.50	ug/L	5.00	ND	130	70-130		
4-Chlorotoluene	6.51	0.20	0.50	ug/L	5.00	ND	130	70-130		
Dibromochloromethane	6.45	0.30	0.50	ug/L	5.00	ND	129	70-130		
1,2-Dibromo-3-chloropropane	4.17	0.50	0.50	ug/L	5.00	ND	83.4	70-130		
1,2-Dibromoethane (EDB)	5.84	0.20	0.50	ug/L	5.00	ND	117	70-130		

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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

Matrix Spike (AE94329-MS1)	Source: 19E2826-01		Prepared: 05/29/19		Analyzed: 05/30/19		QM-05				
Dibromomethane	5.38	0.20	0.50	ug/L	5.00	ND	108	70-130			
1,2-Dichlorobenzene	6.11	0.20	0.50	ug/L	5.00	ND	122	70-130			
1,3-Dichlorobenzene	6.31	0.20	0.50	ug/L	5.00	ND	126	70-130			
1,4-Dichlorobenzene	6.01	0.20	0.50	ug/L	5.00	ND	120	70-130			
trans-1,4-Dichloro-2-butene	5.97	0.90	5.0	ug/L	5.00	ND	119	70-130			
Dichlorodifluoromethane	9.28	0.50	0.50	ug/L	5.00	ND	186	70-130			
1,1-Dichloroethane	6.09	0.20	0.50	ug/L	5.00	ND	122	70-130			
1,2-Dichloroethane	5.76	0.10	0.50	ug/L	5.00	ND	115	70-130			
1,1-Dichloroethene	6.16	0.30	0.30	ug/L	5.00	ND	123	70-130			
cis-1,2-Dichloroethene	6.27	0.10	0.50	ug/L	5.00	ND	125	70-130			
trans-1,2-Dichloroethene	5.94	0.10	0.50	ug/L	5.00	ND	119	70-130			
1,2-Dichloropropane	5.71	0.20	0.50	ug/L	5.00	ND	114	70-130			
1,3-Dichloropropane	6.14	0.10	0.50	ug/L	5.00	ND	123	70-130			
2,2-Dichloropropane	5.98	0.30	0.50	ug/L	5.00	ND	120	70-130			
1,1-Dichloropropene	6.72	0.20	0.50	ug/L	5.00	ND	134	70-130			
cis-1,3-Dichloropropene	4.59	0.30	0.50	ug/L	5.00	ND	91.8	70-130			
trans-1,3-Dichloropropene	4.58	0.30	0.50	ug/L	5.00	ND	91.6	70-130			
2-Hexanone	5.53	0.50	5.0	ug/L	5.00	ND	111	70-130			
Ethylbenzene	6.49	0.20	0.50	ug/L	5.00	ND	130	70-130			
Hexachlorobutadiene	6.42	0.40	0.50	ug/L	5.00	ND	128	70-130			
Isopropylbenzene	6.95	0.20	0.50	ug/L	5.00	ND	139	70-130			
p-Isopropyltoluene	6.56	0.50	0.50	ug/L	5.00	ND	131	70-130			
Methyl ethyl ketone	10.9	0.20	1.0	ug/L	10.0	ND	109	70-130			
Methyl iodide	6.69	0.40	2.0	ug/L	5.00	ND	134	70-130			
Methyl isobutyl ketone	12.1	0.30	1.0	ug/L	10.0	ND	121	70-130			
Methylene chloride	5.13	0.40	0.50	ug/L	5.00	ND	103	70-130			
Naphthalene	5.34	0.50	0.50	ug/L	5.00	ND	107	70-130			
n-Propylbenzene	6.73	0.50	0.50	ug/L	5.00	ND	135	70-130			
Styrene	6.44	0.20	0.50	ug/L	5.00	ND	129	70-130			
1,1,1,2-Tetrachloroethane	4.86	0.40	0.50	ug/L	5.00	ND	97.2	70-130			
1,1,2,2-Tetrachloroethane	5.72	0.20	0.50	ug/L	5.00	ND	114	70-130			
Tetrachloroethene	6.75	0.20	0.50	ug/L	5.00	ND	135	70-130			
Toluene	6.83	0.30	0.50	ug/L	5.00	ND	137	70-130			
1,2,3-Trichlorobenzene	6.08	0.40	0.50	ug/L	5.00	ND	122	70-130			
1,2,4-Trichlorobenzene	6.06	0.40	0.50	ug/L	5.00	ND	121	70-130			
1,1,1-Trichloroethane	5.68	0.40	0.50	ug/L	5.00	ND	114	70-130			

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.





Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

Matrix Spike (AE94329-MS1)	Source: 19E2826-01			Prepared: 05/29/19 Analyzed: 05/30/19				QM-05
1,1,2-Trichloroethane	5.81	0.20	0.50	ug/L	5.00	ND	116	70-130
Trichloroethene	6.15	0.10	0.50	ug/L	5.00	ND	123	70-130
Trichlorofluoromethane	8.32	0.50	0.50	ug/L	5.00	ND	166	70-130
Trichlorotrifluoroethane	7.00	0.40	0.50	ug/L	5.00	ND	140	70-130
1,2,3-Trichloropropane	6.12	0.10	0.50	ug/L	5.00	ND	122	70-130
1,2,4-Trimethylbenzene	6.81	0.50	0.50	ug/L	5.00	ND	136	70-130
1,3,5-Trimethylbenzene	6.63	0.50	0.50	ug/L	5.00	ND	133	70-130
Vinyl chloride	7.02	0.50	0.50	ug/L	5.00	ND	140	70-130
m,p-Xylene	13.2	0.20	0.50	ug/L	10.0	ND	132	70-130
o-Xylene	6.38	0.20	0.50	ug/L	5.00	ND	128	70-130
Xylenes (total)	19.6	0.20	0.50	ug/L	15.0	ND	131	70-130
Methyl tert-butyl ether	5.95	0.50	3.0	ug/L	5.00	ND	119	70-130
Ethyl tert-butyl ether	5.64	0.40	0.50	ug/L	5.00	ND	113	70-130
Tert-amyl methyl ether	5.70	0.30	0.50	ug/L	5.00	ND	114	70-130
Surrogate: Bromofluorobenzene	30.4			ug/L	25.0		121	70-130
Surrogate: Dibromofluoromethane	27.8			ug/L	25.0		111	70-130
Surrogate: Toluene-d8	30.0			ug/L	25.0		120	70-130

Matrix Spike (AE94329-MS2)	Source: 19E2826-02			Prepared: 05/29/19 Analyzed: 05/30/19				
Acetone	22.8	2.0	5.0	ug/L	20.0	ND	114	70-130
Acrylonitrile	5.63	0.40	5.0	ug/L	5.00	ND	113	70-130
Benzene	5.79	0.10	0.30	ug/L	5.00	ND	116	70-130
Bromobenzene	5.85	0.20	0.50	ug/L	5.00	ND	117	70-130
Bromochloromethane	5.64	0.40	0.50	ug/L	5.00	ND	113	70-130
Bromodichloromethane	5.66	0.20	0.50	ug/L	5.00	ND	113	70-130
Bromoform	5.63	0.30	0.50	ug/L	5.00	ND	113	70-130
Bromomethane	6.13	0.40	0.50	ug/L	5.00	ND	123	70-130
n-Butylbenzene	5.99	0.50	0.50	ug/L	5.00	ND	120	70-130
sec-Butylbenzene	6.02	0.20	0.50	ug/L	5.00	ND	120	70-130
tert-Butylbenzene	6.08	0.50	0.50	ug/L	5.00	ND	122	70-130
Carbon disulfide	5.45	0.40	0.50	ug/L	5.00	ND	109	70-130
Carbon tetrachloride	4.89	0.30	0.50	ug/L	5.00	ND	97.8	70-130
Chlorobenzene	5.74	0.20	0.50	ug/L	5.00	ND	115	70-130
Chloroethane	6.33	0.30	0.50	ug/L	5.00	ND	127	70-130
Chloroform	5.69	0.30	0.50	ug/L	5.00	ND	114	70-130
Chloromethane	6.44	0.40	0.50	ug/L	5.00	ND	129	70-130
2-Chlorotoluene	5.91	0.20	0.50	ug/L	5.00	ND	118	70-130

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

**Matrix Spike (AE94329-MS2)**

Source: 19E2826-02

Prepared: 05/29/19 Analyzed: 05/30/19

4-Chlorotoluene	5.88	0.20	0.50	ug/L	5.00	ND	118	70-130			
Dibromochloromethane	6.02	0.30	0.50	ug/L	5.00	ND	120	70-130			
1,2-Dibromo-3-chloropropane	3.87	0.50	0.50	ug/L	5.00	ND	77.4	70-130			
1,2-Dibromoethane (EDB)	5.46	0.20	0.50	ug/L	5.00	ND	109	70-130			
Dibromomethane	5.12	0.20	0.50	ug/L	5.00	ND	102	70-130			
1,2-Dichlorobenzene	5.54	0.20	0.50	ug/L	5.00	ND	111	70-130			
1,3-Dichlorobenzene	5.76	0.20	0.50	ug/L	5.00	ND	115	70-130			
1,4-Dichlorobenzene	5.50	0.20	0.50	ug/L	5.00	ND	110	70-130			
trans-1,4-Dichloro-2-butene	5.51	0.90	5.0	ug/L	5.00	ND	110	70-130			
Dichlorodifluoromethane	9.85	0.50	0.50	ug/L	5.00	ND	197	70-130			QM-05
1,1-Dichloroethane	5.57	0.20	0.50	ug/L	5.00	ND	111	70-130			
1,2-Dichloroethane	5.30	0.10	0.50	ug/L	5.00	ND	106	70-130			
1,1-Dichloroethene	5.45	0.30	0.30	ug/L	5.00	ND	109	70-130			
cis-1,2-Dichloroethene	5.80	0.10	0.50	ug/L	5.00	ND	116	70-130			
trans-1,2-Dichloroethene	5.45	0.10	0.50	ug/L	5.00	ND	109	70-130			
1,2-Dichloropropane	5.38	0.20	0.50	ug/L	5.00	ND	108	70-130			
1,3-Dichloropropane	5.56	0.10	0.50	ug/L	5.00	ND	111	70-130			
2,2-Dichloropropane	5.79	0.30	0.50	ug/L	5.00	ND	116	70-130			
1,1-Dichloropropene	6.05	0.20	0.50	ug/L	5.00	ND	121	70-130			
cis-1,3-Dichloropropene	4.23	0.30	0.50	ug/L	5.00	ND	84.6	70-130			
trans-1,3-Dichloropropene	4.24	0.30	0.50	ug/L	5.00	ND	84.8	70-130			
Ethylbenzene	5.88	0.20	0.50	ug/L	5.00	ND	118	70-130			
2-Hexanone	4.94	0.50	5.0	ug/L	5.00	ND	98.8	70-130			J
Hexachlorobutadiene	5.75	0.40	0.50	ug/L	5.00	ND	115	70-130			
Isopropylbenzene	6.31	0.20	0.50	ug/L	5.00	ND	126	70-130			
p-Isopropyltoluene	6.00	0.50	0.50	ug/L	5.00	ND	120	70-130			
Methyl ethyl ketone	11.5	0.20	1.0	ug/L	10.0	ND	115	70-130			
Methyl iodide	6.04	0.40	2.0	ug/L	5.00	ND	121	70-130			
Methyl isobutyl ketone	10.7	0.30	1.0	ug/L	10.0	ND	107	70-130			
Methylene chloride	4.53	0.40	0.50	ug/L	5.00	ND	90.6	70-130			
Naphthalene	4.96	0.50	0.50	ug/L	5.00	ND	99.2	70-130			
n-Propylbenzene	6.10	0.50	0.50	ug/L	5.00	ND	122	70-130			
Styrene	5.86	0.20	0.50	ug/L	5.00	ND	117	70-130			
1,1,1,2-Tetrachloroethane	4.59	0.40	0.50	ug/L	5.00	ND	91.8	70-130			
1,1,2,2-Tetrachloroethane	5.28	0.20	0.50	ug/L	5.00	ND	106	70-130			
Tetrachloroethene	6.04	0.20	0.50	ug/L	5.00	ND	121	70-130			

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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AE94329 - VOAs in Water GCMS**

<b>Matrix Spike (AE94329-MS2)</b>	<b>Source: 19E2826-02</b>			<b>Prepared: 05/29/19 Analyzed: 05/30/19</b>							
Toluene	6.19	0.30	0.50	ug/L	5.00	ND	124	70-130			
1,2,3-Trichlorobenzene	5.90	0.40	0.50	ug/L	5.00	ND	118	70-130			
1,2,4-Trichlorobenzene	5.59	0.40	0.50	ug/L	5.00	ND	112	70-130			
1,1,1-Trichloroethane	5.19	0.40	0.50	ug/L	5.00	ND	104	70-130			
1,1,2-Trichloroethane	5.49	0.20	0.50	ug/L	5.00	ND	110	70-130			
Trichloroethene	5.72	0.10	0.50	ug/L	5.00	ND	114	70-130			
Trichlorofluoromethane	7.60	0.50	0.50	ug/L	5.00	ND	152	70-130			QM-05
Trichlorotrifluoroethane	6.29	0.40	0.50	ug/L	5.00	ND	126	70-130			
1,2,3-Trichloropropane	5.69	0.10	0.50	ug/L	5.00	ND	114	70-130			
1,2,4-Trimethylbenzene	6.22	0.50	0.50	ug/L	5.00	ND	124	70-130			
1,3,5-Trimethylbenzene	5.97	0.50	0.50	ug/L	5.00	ND	119	70-130			
Vinyl chloride	6.73	0.50	0.50	ug/L	5.00	ND	135	70-130			QM-05
m,p-Xylene	11.9	0.20	0.50	ug/L	10.0	ND	119	70-130			
o-Xylene	5.88	0.20	0.50	ug/L	5.00	ND	118	70-130			
Xylenes (total)	17.8	0.20	0.50	ug/L	15.0	ND	118	70-130			
Methyl tert-butyl ether	5.98	0.50	3.0	ug/L	5.00	ND	120	70-130			
Ethyl tert-butyl ether	5.71	0.40	0.50	ug/L	5.00	ND	114	70-130			
Tert-amyl methyl ether	5.40	0.30	0.50	ug/L	5.00	ND	108	70-130			
Surrogate: Bromofluorobenzene	30.4			ug/L	25.0		122	70-130			
Surrogate: Dibromofluoromethane	27.8			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	30.0			ug/L	25.0		120	70-130			

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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**Blank (AF93087-BLK1)**

Prepared & Analyzed: 06/03/19

Acetone	ND	3.0	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	0.10	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	0.30	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
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**Blank (AF93087-BLK1)**

Prepared & Analyzed: 06/03/19

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	0.20	1.0	ug/L							U
Di-isopropyl ether	ND	0.40	0.50	ug/L							U
Ethanol	ND	20	50	ug/L							U
Ethyl methacrylate	ND	0.70	10	ug/L							U
Ethylbenzene	ND	0.40	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
Hexachlorobutadiene	ND	0.50	0.50	ug/L							U
2-Hexanone	ND	0.50	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
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
Tetrachloroethene	ND	0.40	0.50	ug/L							U
Tetrahydrofuran	ND	0.40	5.0	ug/L							U
Toluene	ND	0.30	0.30	ug/L							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.



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**Blank (AF93087-BLK1)**

Prepared & Analyzed: 06/03/19

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	0.20	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.20	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	27.1			ug/L	25.0		108	70-130			
Surrogate: Dibromofluoromethane	25.3			ug/L	25.0		101	70-130			
Surrogate: Toluene-d8	26.8			ug/L	25.0		107	70-130			

**LCS (AF93087-BS1)**

Prepared & Analyzed: 06/03/19

Acetone	78.1	3.0	5.0	ug/L	80.0		97.6	48-124			
Acetonitrile	2370	50	100	ug/L	2000		119	70-130			
Allyl chloride	17.4	0.40	10	ug/L	20.0		87.0	70-130			
Acrylonitrile	20.6	0.40	5.0	ug/L	20.0		103	70-130			
Benzene	17.1	0.30	0.30	ug/L	20.0		85.3	82-122			
Bromobenzene	16.6	0.40	0.50	ug/L	20.0		83.0	83-122			
Bromochloromethane	18.6	0.40	0.50	ug/L	20.0		92.8	83-124			
Bromodichloromethane	15.0	0.40	0.50	ug/L	20.0		75.0	86-135			QL-03
Bromoform	15.0	0.30	0.50	ug/L	20.0		75.1	76-144			QL-03
Bromomethane	17.1	0.40	0.50	ug/L	20.0		85.4	69-145			
n-Butylbenzene	15.1	0.40	0.50	ug/L	20.0		75.4	79-132			QL-03
sec-Butylbenzene	17.9	0.40	0.50	ug/L	20.0		89.6	86-132			
tert-Butylbenzene	15.9	0.30	0.50	ug/L	20.0		79.7	82-126			QL-03
Carbon disulfide	17.0	0.40	5.0	ug/L	20.0		85.0	70-130			
Carbon tetrachloride	14.8	0.40	0.50	ug/L	20.0		73.8	77-134			QL-03
Chlorobenzene	17.5	0.30	0.50	ug/L	20.0		87.6	84-119			
Chloroethane	18.9	0.40	0.50	ug/L	20.0		94.4	68-133			

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**LCS (AF93087-BS1)**

Prepared & Analyzed: 06/03/19

Chloroform	18.0	0.40	0.50	ug/L	20.0		89.8	81-122			
Chloromethane	20.1	0.40	0.50	ug/L	20.0		100	63-129			
Chloroprene	17.8	0.40	1.0	ug/L	20.0		89.2	70-130			
2-Chlorotoluene	15.9	0.40	0.50	ug/L	20.0		79.6	79-132			
4-Chlorotoluene	16.3	0.30	0.50	ug/L	20.0		81.3	80-122			
Dibromochloromethane	15.3	0.40	0.50	ug/L	20.0		76.4	83-135			QL-03
1,2-Dibromo-3-chloropropane	15.8	0.60	2.0	ug/L	20.0		78.9	73-128			
1,2-Dibromoethane (EDB)	16.3	0.40	0.50	ug/L	20.0		81.6	80-120			
Dibromomethane	17.5	0.40	0.50	ug/L	20.0		87.6	82-124			
1,2-Dichlorobenzene	17.9	0.40	0.50	ug/L	20.0		89.7	84-121			
1,3-Dichlorobenzene	17.6	0.40	0.50	ug/L	20.0		87.8	80-120			
1,4-Dichlorobenzene	17.1	0.10	0.50	ug/L	20.0		85.5	84-120			
trans-1,4-Dichloro-2-butene	18.6	0.50	5.0	ug/L	20.0		93.0	70-130			
Dichlorodifluoromethane	23.3	0.40	0.50	ug/L	20.0		117	52-142			
1,1-Dichloroethane	17.0	0.30	0.50	ug/L	20.0		85.2	81-126			
1,2-Dichloroethane	16.9	0.40	0.50	ug/L	20.0		84.4	77-117			
1,1-Dichloroethene	15.6	0.30	0.50	ug/L	20.0		77.8	71-151			
cis-1,2-Dichloroethene	18.0	0.40	0.50	ug/L	20.0		90.0	84-131			
trans-1,2-Dichloroethene	16.9	0.40	0.50	ug/L	20.0		84.5	79-128			
1,2-Dichloropropane	17.4	0.40	0.50	ug/L	20.0		86.8	82-125			
1,3-Dichloropropane	18.2	0.40	0.50	ug/L	20.0		91.0	83-120			
2,2-Dichloropropane	14.9	0.50	0.50	ug/L	20.0		74.5	80-125			QL-03
1,1-Dichloropropene	17.9	0.40	0.50	ug/L	20.0		89.4	85-130			
cis-1,3-Dichloropropene	14.9	0.40	0.50	ug/L	20.0		74.6	83-128			QL-03
trans-1,3-Dichloropropene	15.3	0.40	0.50	ug/L	20.0		76.6	67-129			
Diethyl ether	20.9	0.20	1.0	ug/L	20.0		104	70-130			
Di-isopropyl ether	17.2	0.40	0.50	ug/L	20.0		85.9	83-132			
Ethylbenzene	18.4	0.40	0.50	ug/L	20.0		91.8	84-124			
Ethanol	1040	20	50	ug/L	980		106	50-150			
Ethyl methacrylate	18.6	0.70	10	ug/L	20.0		93.0	70-130			
Ethyl tert-butyl ether	17.4	0.40	0.50	ug/L	20.0		86.9	74-127			
Hexachlorobutadiene	16.9	0.50	0.50	ug/L	20.0		84.4	75-135			
Hexachloroethane	15.2	0.40	1.0	ug/L	20.0		75.8	70-130			
2-Hexanone	18.0	0.50	5.0	ug/L	20.0		90.2	70-130			
Isopropylbenzene	16.3	0.40	0.50	ug/L	20.0		81.5	75-116			
Isobutanol	1830	40	100	ug/L	2000		91.7	70-130			

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

LCS (AF93087-BS1)		Prepared & Analyzed: 06/03/19									
p-Isopropyltoluene	15.9	0.40	0.50	ug/L	20.0		79.5	78-124			
Methacrylonitrile	19.5	0.40	1.0	ug/L	20.0		97.7	70-130			
Methylene chloride	15.6	0.50	0.50	ug/L	20.0		78.1	72-132			
Methyl ethyl ketone	37.5	0.70	1.0	ug/L	40.0		93.8	58-157			
Methyl iodide	18.5	0.40	2.0	ug/L	20.0		92.7	56-167			
Methyl isobutyl ketone	37.1	0.60	1.0	ug/L	40.0		92.7	70-130			
Methyl methacrylate	19.9	0.40	1.0	ug/L	20.0		99.4	70-130			
Methyl tert-butyl ether	19.2	0.50	0.50	ug/L	20.0		96.0	84-119			
Naphthalene	15.1	0.50	0.50	ug/L	20.0		75.3	84-134			QL-03
Propionitrile	996	20	50	ug/L	1000		99.6	70-130			
n-Propylbenzene	15.9	0.40	0.50	ug/L	20.0		79.4	75-127			
Styrene	16.4	0.40	0.50	ug/L	20.0		81.8	80-125			
Tert-amyl methyl ether	16.7	0.40	0.50	ug/L	20.0		83.4	74-120			
Tert-butyl alcohol	357	6.0	10	ug/L	400		89.2	66-147			
1,1,1,2-Tetrachloroethane	15.1	0.40	0.50	ug/L	20.0		75.5	80-132			QL-03
1,1,2,2-Tetrachloroethane	18.6	0.30	0.50	ug/L	20.0		93.2	84-115			
Tetrachloroethene	17.2	0.40	0.50	ug/L	20.0		86.2	56-156			
Tetrahydrofuran	22.7	0.40	5.0	ug/L	20.0		114	70-130			
Toluene	17.0	0.30	0.30	ug/L	20.0		84.8	76-137			
1,2,4-Trichlorobenzene	14.9	0.20	0.50	ug/L	20.0		74.6	84-126			QL-03
1,2,3-Trichlorobenzene	15.1	0.50	0.50	ug/L	20.0		75.3	85-133			QL-03
1,1,1-Trichloroethane	16.1	0.40	0.50	ug/L	20.0		80.6	70-130			
1,1,2-Trichloroethane	18.2	0.40	0.50	ug/L	20.0		90.8	83-122			
Trichloroethene	17.8	0.40	0.50	ug/L	20.0		88.9	84-123			
Trichlorofluoromethane	20.0	0.20	0.50	ug/L	20.0		99.8	74-130			
1,2,3-Trichloropropane	18.8	0.40	0.50	ug/L	20.0		94.2	78-122			
Trichlorotrifluoroethane	17.2	0.20	0.50	ug/L	20.0		85.8	82-125			
1,2,4-Trimethylbenzene	16.6	0.40	0.50	ug/L	20.0		83.1	85-127			QL-03
1,3,5-Trimethylbenzene	16.1	0.30	0.50	ug/L	20.0		80.7	80-125			
Vinyl acetate	43.5	0.80	1.0	ug/L	40.0		109	60-140			
Vinyl chloride	18.8	0.40	0.50	ug/L	20.0		94.2	70-130			
m,p-Xylene	33.2	0.50	0.50	ug/L	40.0		82.9	81-124			
o-Xylene	16.2	0.40	0.50	ug/L	20.0		81.0	80-126			
Xylenes (total)	49.4	0.50	0.50	ug/L	60.0		82.3	81-126			
Surrogate: Bromofluorobenzene	26.7			ug/L	25.0		107	70-130			
Surrogate: Dibromofluoromethane	25.4			ug/L	25.0		102	70-130			

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.





Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**LCS (AF93087-BS1)**

Prepared & Analyzed: 06/03/19

Surrogate: Toluene-d8	25.5			ug/L	25.0		102	70-130			
-----------------------	------	--	--	------	------	--	-----	--------	--	--	--

**LCS Dup (AF93087-BS1)**

Prepared & Analyzed: 06/03/19

Acetone	87.3	3.0	5.0	ug/L	80.0		109	48-124	11.2	25	
Acetonitrile	2430	50	100	ug/L	2000		121	70-130	2.23	25	
Acrylonitrile	24.6	0.40	5.0	ug/L	20.0		123	70-130	17.6	25	
Allyl chloride	17.7	0.40	10	ug/L	20.0		88.3	70-130	1.54	25	
Benzene	20.2	0.30	0.30	ug/L	20.0		101	82-122	16.8	25	
Bromobenzene	18.9	0.40	0.50	ug/L	20.0		94.7	83-122	13.2	25	
Bromochloromethane	21.4	0.40	0.50	ug/L	20.0		107	83-124	14.3	25	
Bromodichloromethane	16.4	0.40	0.50	ug/L	20.0		82.0	86-135	8.79	25	QL-03
Bromoform	17.2	0.30	0.50	ug/L	20.0		86.2	76-144	13.7	25	
Bromomethane	20.2	0.40	0.50	ug/L	20.0		101	69-145	16.5	25	
n-Butylbenzene	17.8	0.40	0.50	ug/L	20.0		89.0	79-132	16.5	25	
sec-Butylbenzene	20.6	0.40	0.50	ug/L	20.0		103	86-132	13.8	25	
tert-Butylbenzene	18.3	0.30	0.50	ug/L	20.0		91.5	82-126	13.8	25	
Carbon disulfide	20.0	0.40	5.0	ug/L	20.0		99.8	70-130	16.0	30	
Carbon tetrachloride	17.4	0.40	0.50	ug/L	20.0		86.8	77-134	16.2	25	
Chlorobenzene	19.8	0.30	0.50	ug/L	20.0		98.8	84-119	12.0	25	
Chloroethane	20.8	0.40	0.50	ug/L	20.0		104	68-133	9.68	25	
Chloroform	21.1	0.40	0.50	ug/L	20.0		106	81-122	16.1	25	
Chloroprene	20.9	0.40	1.0	ug/L	20.0		104	70-130	15.8	25	
Chloromethane	22.7	0.40	0.50	ug/L	20.0		113	63-129	12.3	25	
2-Chlorotoluene	18.1	0.40	0.50	ug/L	20.0		90.6	79-132	12.9	25	
4-Chlorotoluene	18.9	0.30	0.50	ug/L	20.0		94.5	80-122	15.0	25	
Dibromochloromethane	16.8	0.40	0.50	ug/L	20.0		83.9	83-135	9.42	25	
1,2-Dibromo-3-chloropropane	18.0	0.60	2.0	ug/L	20.0		90.2	73-128	13.3	25	
1,2-Dibromoethane (EDB)	18.0	0.40	0.50	ug/L	20.0		90.2	80-120	9.95	25	
Dibromomethane	19.4	0.40	0.50	ug/L	20.0		97.0	82-124	10.1	25	
1,2-Dichlorobenzene	20.2	0.40	0.50	ug/L	20.0		101	84-121	11.9	25	
1,3-Dichlorobenzene	20.0	0.40	0.50	ug/L	20.0		100	80-120	13.0	25	
1,4-Dichlorobenzene	20.3	0.10	0.50	ug/L	20.0		101	84-120	17.0	25	
trans-1,4-Dichloro-2-butene	20.7	0.50	5.0	ug/L	20.0		103	70-130	10.7	25	
Dichlorodifluoromethane	25.6	0.40	0.50	ug/L	20.0		128	52-142	9.20	25	
1,1-Dichloroethane	20.4	0.30	0.50	ug/L	20.0		102	81-126	17.8	25	
1,2-Dichloroethane	18.0	0.40	0.50	ug/L	20.0		90.0	77-117	6.31	25	
1,1-Dichloroethene	17.4	0.30	0.50	ug/L	20.0		87.1	71-151	11.2	25	

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**LCS Dup (AF93087-BSD1)**

Prepared & Analyzed: 06/03/19

cis-1,2-Dichloroethene	19.5	0.40	0.50	ug/L	20.0		97.6	84-131	8.05	25	
trans-1,2-Dichloroethene	19.1	0.40	0.50	ug/L	20.0		95.6	79-128	12.3	25	
1,2-Dichloropropane	19.4	0.40	0.50	ug/L	20.0		97.0	82-125	11.2	25	
1,3-Dichloropropane	20.4	0.40	0.50	ug/L	20.0		102	83-120	11.1	25	
2,2-Dichloropropane	17.8	0.50	0.50	ug/L	20.0		89.0	80-125	17.7	25	
1,1-Dichloropropene	20.9	0.40	0.50	ug/L	20.0		104	85-130	15.4	25	
cis-1,3-Dichloropropene	17.0	0.40	0.50	ug/L	20.0		84.8	83-128	12.7	25	
trans-1,3-Dichloropropene	16.9	0.40	0.50	ug/L	20.0		84.6	67-129	9.86	25	
Diethyl ether	25.0	0.20	1.0	ug/L	20.0		125	70-130	18.1	25	
Di-isopropyl ether	20.6	0.40	0.50	ug/L	20.0		103	83-132	17.9	25	
Ethanol	1140	20	50	ug/L	980		116	50-150	9.04	25	
Ethyl methacrylate	21.3	0.70	10	ug/L	20.0		106	70-130	13.4	25	
Ethylbenzene	21.1	0.40	0.50	ug/L	20.0		105	84-124	13.7	25	
Ethyl tert-butyl ether	20.2	0.40	0.50	ug/L	20.0		101	74-127	15.3	25	
Hexachlorobutadiene	19.6	0.50	0.50	ug/L	20.0		98.2	75-135	15.1	25	
Hexachloroethane	17.9	0.40	1.0	ug/L	20.0		89.3	70-130	16.4	25	
2-Hexanone	20.2	0.50	5.0	ug/L	20.0		101	70-130	11.6	30	
Isopropylbenzene	19.5	0.40	0.50	ug/L	20.0		97.4	75-116	17.8	25	
Isobutanol	2020	40	100	ug/L	2000		101	70-130	9.50	25	
p-Isopropyltoluene	17.9	0.40	0.50	ug/L	20.0		89.3	78-124	11.6	25	
Methacrylonitrile	21.9	0.40	1.0	ug/L	20.0		109	70-130	11.3	25	
Methylene chloride	17.5	0.50	0.50	ug/L	20.0		87.4	72-132	11.2	25	
Methyl ethyl ketone	41.9	0.70	1.0	ug/L	40.0		105	58-157	11.1	25	
Methyl iodide	21.9	0.40	2.0	ug/L	20.0		110	56-167	16.8	30	
Methyl isobutyl ketone	42.2	0.60	1.0	ug/L	40.0		105	70-130	12.9	25	
Methyl methacrylate	22.5	0.40	1.0	ug/L	20.0		112	70-130	12.2	25	
Naphthalene	17.7	0.50	0.50	ug/L	20.0		88.3	84-134	15.9	25	
Propionitrile	1180	20	50	ug/L	1000		118	70-130	17.1	25	
Methyl tert-butyl ether	22.1	0.50	0.50	ug/L	20.0		111	84-119	14.2	25	
n-Propylbenzene	18.2	0.40	0.50	ug/L	20.0		90.8	75-127	13.3	25	
Styrene	19.2	0.40	0.50	ug/L	20.0		96.1	80-125	16.1	25	
Tert-amyl methyl ether	19.2	0.40	0.50	ug/L	20.0		95.9	74-120	13.9	25	
Tert-butyl alcohol	419	6.0	10	ug/L	400		105	66-147	16.0	25	
1,1,1,2-Tetrachloroethane	17.5	0.40	0.50	ug/L	20.0		87.4	80-132	14.6	25	
1,1,2,2-Tetrachloroethane	20.7	0.30	0.50	ug/L	20.0		103	84-115	10.4	25	
Tetrachloroethene	19.7	0.40	0.50	ug/L	20.0		98.3	56-156	13.1	25	

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**LCS Dup (AF93087-BSD1)**

Prepared & Analyzed: 06/03/19

Tetrahydrofuran	22.0	0.40	5.0	ug/L	20.0	110	70-130	3.26	25	
Toluene	18.9	0.30	0.30	ug/L	20.0	94.6	76-137	10.9	25	
1,2,4-Trichlorobenzene	17.3	0.20	0.50	ug/L	20.0	86.4	84-126	14.6	25	
1,2,3-Trichlorobenzene	17.9	0.50	0.50	ug/L	20.0	89.6	85-133	17.3	25	
1,1,1-Trichloroethane	17.9	0.40	0.50	ug/L	20.0	89.4	70-130	10.5	25	
1,1,2-Trichloroethane	20.9	0.40	0.50	ug/L	20.0	104	83-122	13.8	25	
Trichloroethene	20.1	0.40	0.50	ug/L	20.0	100	84-123	12.2	25	
Trichlorofluoromethane	23.0	0.20	0.50	ug/L	20.0	115	74-130	14.3	25	
1,2,3-Trichloropropane	20.9	0.40	0.50	ug/L	20.0	105	78-122	10.5	25	
Trichlorotrifluoroethane	19.4	0.20	0.50	ug/L	20.0	96.9	82-125	12.1	25	
1,2,4-Trimethylbenzene	18.9	0.40	0.50	ug/L	20.0	94.4	85-127	12.8	25	
1,3,5-Trimethylbenzene	18.4	0.30	0.50	ug/L	20.0	91.8	80-125	12.9	25	
Vinyl acetate	50.6	0.80	1.0	ug/L	40.0	127	60-140	15.1	25	
Vinyl chloride	21.8	0.40	0.50	ug/L	20.0	109	70-130	14.7	25	
m,p-Xylene	38.8	0.50	0.50	ug/L	40.0	97.0	81-124	15.6	25	
o-Xylene	19.4	0.40	0.50	ug/L	20.0	97.0	80-126	17.9	25	
Xylenes (total)	58.2	0.50	0.50	ug/L	60.0	97.0	81-126	16.4	25	
Surrogate: Bromofluorobenzene	26.9			ug/L	25.0	108	70-130			
Surrogate: Dibromofluoromethane	26.4			ug/L	25.0	106	70-130			
Surrogate: Toluene-d8	25.8			ug/L	25.0	103	70-130			

**Matrix Spike (AF93087-MS1)**

Source: 19F0171-01

Prepared & Analyzed: 06/04/19

Acetone	86.5	3.0	5.0	ug/L	80.0	18.9	84.4	32-164		
Acetonitrile	1530	50	100	ug/L	2000	ND	76.7	70-130		
Acrylonitrile	20.9	0.40	5.0	ug/L	20.0	ND	104	70-130		
Allyl chloride	20.9	0.40	10	ug/L	20.0	ND	104	70-130		
Benzene	19.3	0.30	0.30	ug/L	20.0	ND	96.6	58-139		
Bromobenzene	17.8	0.40	0.50	ug/L	20.0	ND	88.8	63-143		
Bromochloromethane	19.4	0.40	0.50	ug/L	20.0	ND	97.0	60-141		
Bromodichloromethane	16.6	0.40	0.50	ug/L	20.0	ND	82.8	62-140		
Bromoform	16.2	0.30	0.50	ug/L	20.0	ND	81.2	47-165		
Bromomethane	19.0	0.40	0.50	ug/L	20.0	ND	95.0	30-163		
n-Butylbenzene	16.5	0.40	0.50	ug/L	20.0	ND	82.7	57-147		
sec-Butylbenzene	19.3	0.40	0.50	ug/L	20.0	ND	96.6	64-155		
tert-Butylbenzene	17.5	0.30	0.50	ug/L	20.0	ND	87.6	57-150		
Carbon disulfide	20.7	0.40	5.0	ug/L	20.0	ND	104	70-130		
Carbon tetrachloride	17.6	0.40	0.50	ug/L	20.0	ND	88.2	65-153		

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

Matrix Spike (AF93087-MS1)	Source: 19F0171-01			Prepared & Analyzed: 06/04/19							
Chlorobenzene	19.8	0.30	0.50	ug/L	20.0	ND	98.8	58-137			
Chloroethane	20.2	0.40	0.50	ug/L	20.0	ND	101	59-141			
Chloroform	19.7	0.40	0.50	ug/L	20.0	ND	98.5	36-151			
Chloroprene	21.5	0.40	1.0	ug/L	20.0	ND	108	70-130			
Chloromethane	24.5	0.40	0.50	ug/L	20.0	ND	122	69-149			
2-Chlorotoluene	17.6	0.40	0.50	ug/L	20.0	ND	87.8	54-150			
4-Chlorotoluene	18.0	0.30	0.50	ug/L	20.0	ND	90.1	59-140			
Dibromochloromethane	17.2	0.40	0.50	ug/L	20.0	ND	86.2	54-157			
1,2-Dibromo-3-chloropropane	16.7	0.60	2.0	ug/L	20.0	ND	83.6	54-137			
1,2-Dibromoethane (EDB)	17.6	0.40	0.50	ug/L	20.0	ND	88.2	40-147			
Dibromomethane	18.9	0.40	0.50	ug/L	20.0	ND	94.6	59-139			
1,2-Dichlorobenzene	19.3	0.40	0.50	ug/L	20.0	ND	96.7	39-145			
1,3-Dichlorobenzene	19.0	0.40	0.50	ug/L	20.0	ND	94.8	54-137			
1,4-Dichlorobenzene	18.7	0.10	0.50	ug/L	20.0	ND	93.4	41-142			
trans-1,4-Dichloro-2-butene	19.8	0.50	5.0	ug/L	20.0	ND	99.0	70-130			
Dichlorodifluoromethane	28.4	0.40	0.50	ug/L	20.0	ND	142	39-162			
1,1-Dichloroethane	19.3	0.30	0.50	ug/L	20.0	ND	96.7	39-146			
1,2-Dichloroethane	18.3	0.40	0.50	ug/L	20.0	ND	91.7	58-133			
1,1-Dichloroethene	19.5	0.30	0.50	ug/L	20.0	ND	97.6	70-154			
cis-1,2-Dichloroethene	19.8	0.40	0.50	ug/L	20.0	ND	98.8	66-141			
trans-1,2-Dichloroethene	18.9	0.40	0.50	ug/L	20.0	ND	94.5	59-151			
1,2-Dichloropropane	19.8	0.40	0.50	ug/L	20.0	ND	98.8	41-142			
1,3-Dichloropropane	20.0	0.40	0.50	ug/L	20.0	ND	99.8	62-139			
2,2-Dichloropropane	16.6	0.50	0.50	ug/L	20.0	ND	83.0	40-167			
1,1-Dichloropropene	21.8	0.40	0.50	ug/L	20.0	ND	109	58-148			
cis-1,3-Dichloropropene	17.4	0.40	0.50	ug/L	20.0	ND	87.0	50-140			
trans-1,3-Dichloropropene	17.5	0.40	0.50	ug/L	20.0	ND	87.4	40-144			
Diethyl ether	20.2	0.20	1.0	ug/L	20.0	ND	101	70-130			
Di-isopropyl ether	18.6	0.40	0.50	ug/L	20.0	ND	92.8	49-143			
Ethyl methacrylate	19.9	0.70	10	ug/L	20.0	ND	99.3	70-130			
Ethanol	730	20	50	ug/L	980	ND	74.5	50-150			
Ethylbenzene	20.7	0.40	0.50	ug/L	20.0	ND	103	59-147			
Hexachlorobutadiene	17.6	0.50	0.50	ug/L	20.0	ND	87.8	56-149			
Hexachloroethane	17.2	0.40	1.0	ug/L	20.0	ND	86.1	70-130			
Ethyl tert-butyl ether	17.7	0.40	0.50	ug/L	20.0	ND	88.7	44-143			
2-Hexanone	18.6	0.50	5.0	ug/L	20.0	ND	92.8	70-130			

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch Number 2019032803	Reported: 06/07/19 16:50
---	--	-----------------------------

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

Matrix Spike (AF93087-MS1)	Source: 19F0171-01			Prepared & Analyzed: 06/04/19							
Isobutanol	1740	40	100	ug/L	2000	ND	87.1	70-130			
Isopropylbenzene	18.0	0.40	0.50	ug/L	20.0	ND	90.2	56-134			
p-Isopropyltoluene	17.1	0.40	0.50	ug/L	20.0	ND	85.7	54-148			
Methylene chloride	15.6	0.50	0.50	ug/L	20.0	ND	78.1	43-143			
Methacrylonitrile	20.5	0.40	1.0	ug/L	20.0	ND	103	70-130			
Methyl ethyl ketone	37.7	0.70	1.0	ug/L	40.0	ND	94.3	62-126			
Methyl iodide	21.8	0.40	2.0	ug/L	20.0	ND	109	70-130			
Methyl methacrylate	21.4	0.40	1.0	ug/L	20.0	ND	107	70-130			
Methyl isobutyl ketone	37.4	0.60	1.0	ug/L	40.0	ND	93.5	66-127			
Methyl tert-butyl ether	18.4	0.50	0.50	ug/L	20.0	ND	92.2	55-144			
Propionitrile	977	20	50	ug/L	1000	ND	97.7	70-130			
Naphthalene	16.1	0.50	0.50	ug/L	20.0	ND	80.6	52-157			
n-Propylbenzene	17.8	0.40	0.50	ug/L	20.0	ND	88.8	55-145			
Styrene	18.0	0.40	0.50	ug/L	20.0	ND	90.0	51-157			
Tert-amyl methyl ether	16.8	0.40	0.50	ug/L	20.0	ND	84.2	41-136			
Tert-butyl alcohol	378	6.0	10	ug/L	400	ND	94.4	38-175			
1,1,1,2-Tetrachloroethane	17.0	0.40	0.50	ug/L	20.0	ND	84.8	58-146			
1,1,2,2-Tetrachloroethane	19.1	0.30	0.50	ug/L	20.0	ND	95.4	73-127			
Tetrachloroethene	20.6	0.40	0.50	ug/L	20.0	ND	103	49-148			
Tetrahydrofuran	19.9	0.40	5.0	ug/L	20.0	ND	99.3	70-130			
Toluene	19.7	0.30	0.30	ug/L	20.0	ND	98.3	59-147			
1,2,4-Trichlorobenzene	15.6	0.20	0.50	ug/L	20.0	ND	78.0	50-150			
1,2,3-Trichlorobenzene	15.9	0.50	0.50	ug/L	20.0	ND	79.4	50-161			
1,1,1-Trichloroethane	17.1	0.40	0.50	ug/L	20.0	ND	85.5	38-164			
1,1,2-Trichloroethane	19.7	0.40	0.50	ug/L	20.0	ND	98.3	46-136			
Trichloroethene	20.8	0.40	0.50	ug/L	20.0	ND	104	58-140			
Trichlorofluoromethane	24.6	0.20	0.50	ug/L	20.0	ND	123	56-144			
1,2,3-Trichloropropane	18.8	0.40	0.50	ug/L	20.0	ND	94.0	61-139			
Trichlorotrifluoroethane	20.0	0.20	0.50	ug/L	20.0	ND	99.8	59-139			
1,2,4-Trimethylbenzene	17.9	0.40	0.50	ug/L	20.0	ND	89.7	58-152			
1,3,5-Trimethylbenzene	17.6	0.30	0.50	ug/L	20.0	ND	87.8	58-148			
Vinyl acetate	46.2	0.80	1.0	ug/L	40.0	ND	116	70-130			
Vinyl chloride	22.7	0.40	0.50	ug/L	20.0	ND	114	53-160			
m,p-Xylene	37.8	0.50	0.50	ug/L	40.0	ND	94.4	53-147			
o-Xylene	17.7	0.40	0.50	ug/L	20.0	ND	88.7	55-148			
Xylenes (total)	55.5	0.50	0.50	ug/L	60.0	ND	92.5	49-153			

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.



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch Number 2019032803

Reported:  
 06/07/19 16:50

**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
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch AF93087 - VOAs in Water GCMS**

**Matrix Spike (AF93087-MS1)**

Source: 19F0171-01

Prepared & Analyzed: 06/04/19

Surrogate: Bromofluorobenzene	26.6			ug/L	25.0		106	70-130			
Surrogate: Dibromofluoromethane	24.6			ug/L	25.0		98.2	70-130			
Surrogate: Toluene-d8	25.7			ug/L	25.0		103	70-130			



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

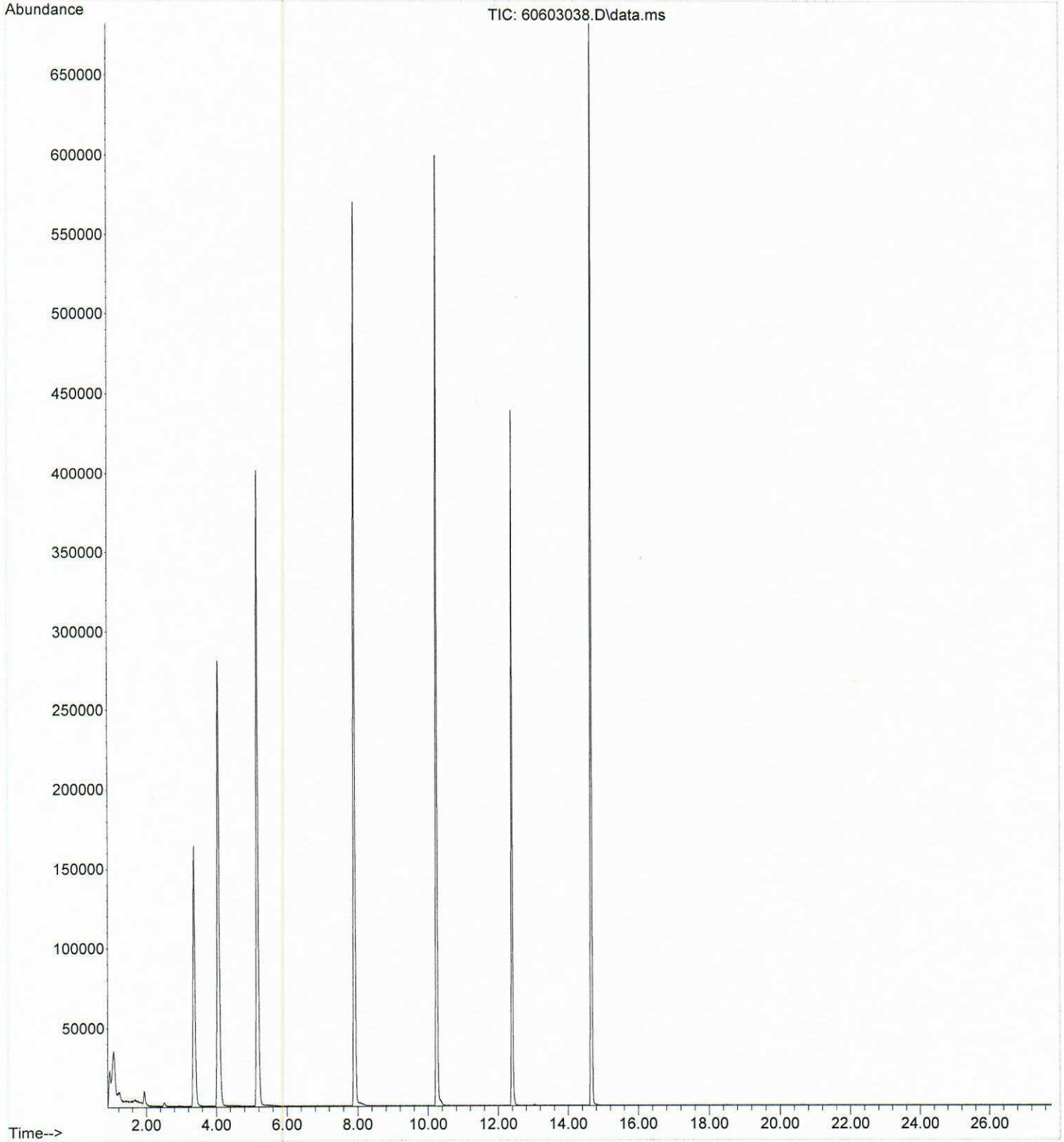
Project Manager: Quality Control Manager  
Project: QC- 40ml Amber VOA (NP)  
Project Number: Silicone Batch Number 2019032803

Reported:  
06/07/19 16:50

### Notes and Definitions

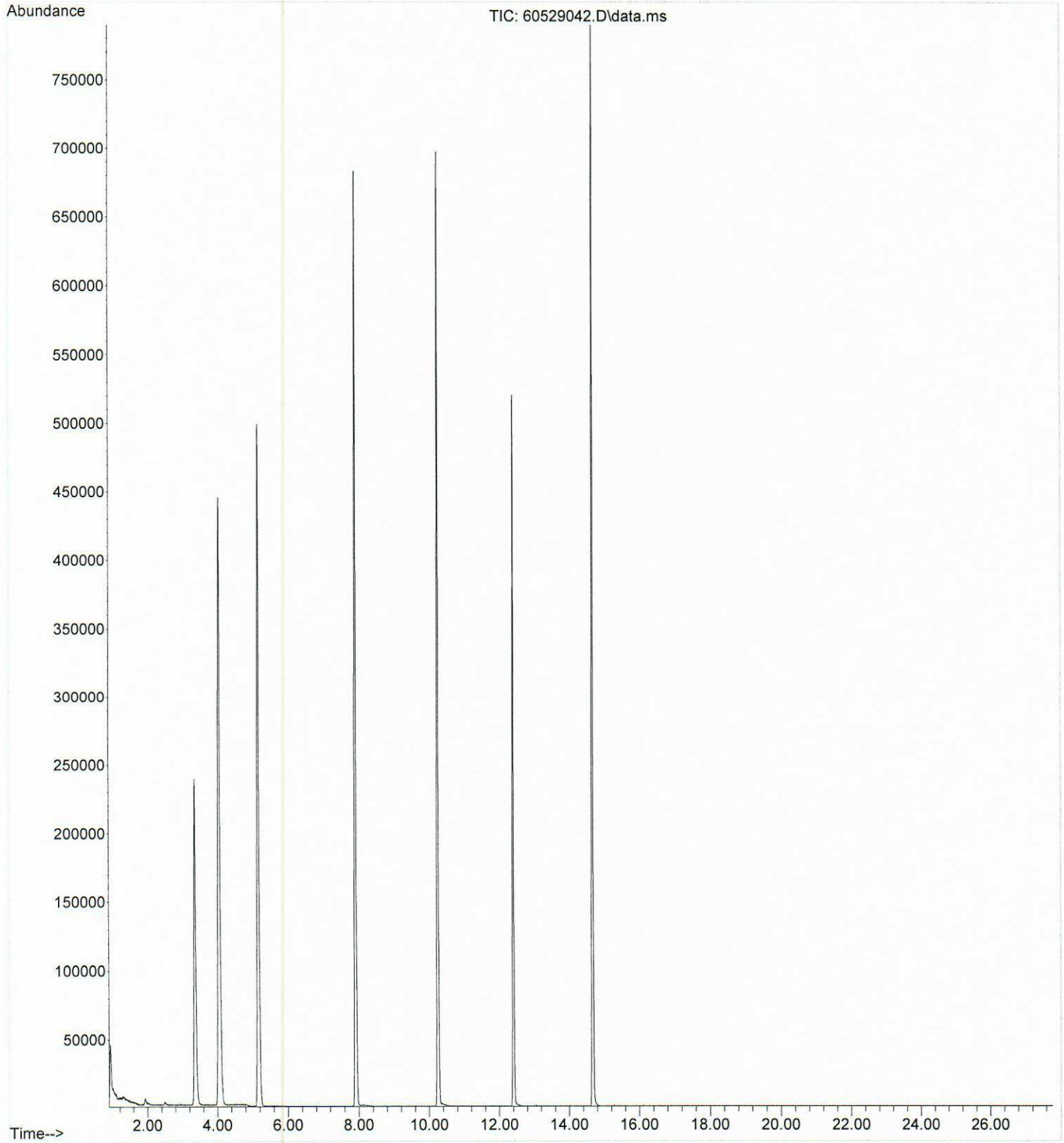
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
- QM-05 The spike 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\060319\60603038.D  
Operator : JV  
Acquired : 04 Jun 2019 11:10 am using AcqMethod MS6INS.M  
Instrument : GCMS6  
Sample Name: 19E2890-01  
Misc Info :  
Vial Number: 38





File :D:\MassHunter\GCMS\1\data\052919\60529042.D  
Operator : JV  
Acquired : 30 May 2019 03:09 pm using AcqMethod MS6INS.M  
Instrument : GCMS6  
Sample Name: 19E2890-02  
Misc Info :  
Vial Number: 42





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

Service Center 262 Rickenbacker Circle, Livermore CA 94551  
& Micro Lab: 925-928-6226 Fax: 925-928-6309

### Chain of Custody Record

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

Lab No. 19E2890 Page      of     

<b>Report to:</b> Company: Sample Traps LLC Attn: Quality Control Manager.		<b>Invoice to (if different):</b> Company: Attn: Address: Phone/Fax: Email Address: admin@sampletraps.com		<b>Project Info for Report:</b> Project ID: QC- 40ml Amber VOA Vial (NP) Project No: Silicone Batch Number 2019032803 PO/Reference :			Signature below authorizes work under terms stated on reverse side.																								
<b>Samplers Signature:</b>  Print:		<b>Container:</b> 40ml VOA Poly Glass bottle Glass Jar		<b>Preservative:</b> HCL Methanol Na Bisulfate Other None			<b>Matrix:</b> Water Container			Total Number of Containers					<b>Analyses Requested</b>					<b>TAT</b> 10 days <input type="radio"/> <b>RUSH:</b> 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: <input type="radio"/> days	Lab Approval Required For Rush TATs	<b>Sample Notes (lab use only)</b> Temperature: <u>    </u> deg. C Shipment Method: <u>    </u> Custody Seals: <u>Y / N</u>									
<b>Sample Identification</b>		<b>Sampled:</b> Date      Time													8260 Sample Traps					524.2 Sample Traps					i-flags					include chromatograph with report	
A9141CUBS - 01				<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>								
A9141CUBS - 02				<input checked="" type="checkbox"/>									<input type="checkbox"/>					<input checked="" type="checkbox"/>					<input type="checkbox"/>								
please use Ukiah reagent water for the analysis																															
<b>Relinquished by:</b> <i>Per Client</i>		<b>Received by:</b> <i>JH</i>		<b>Date:</b> 5-24-19		<b>Time:</b> 2800		<b>CDPH Write On EDT Transmission?</b> <input type="radio"/> Yes <input type="radio"/> No											<b>State System Number:</b> _____												
If "Y" please enter the Source Number(s) in the column above																															
<b>CA Geotracker EDF Report?</b> <input type="radio"/> Yes <input type="radio"/> No											<b>Global ID:</b>		<b>Sampling Company Log Code:</b>		<b>EDF to (Email Address):</b>		<b>Travel and Site Time:</b>		<b>Mileage:</b>		<b>Misc. Supplies:</b>										