

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121418\
 Data File : VV008946.D
 Acq On : 14 Dec 2018 21:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Dec 14 23:46:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 14 23:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	216662	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	203780	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58640	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.56	69	43676	54.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.70%
11) 1,1-Dichloroethene-d2	2.13	63	155665	52.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.20%
21) 2-Butanone-d5	3.93	46	95330	112.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	4.41	84	138266	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	5.08	65	87610	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
32) Benzene-d6	5.10	84	274982	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
36) 1,2-Dichloropropane-d6	6.12	67	81857	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.22%
41) Toluene-d8	7.36	98	261180	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.67	79	41026	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.04%
47) 2-Hexanone-d5	8.13	63	68422	112.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.03%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108974	51.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.30%
64) 1,2-Dichlorobenzene-d4	11.67	152	106490	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	75237	49.439	ug/L	100
3) Chloromethane	1.25	50	62812	49.191	ug/L	98
5) Vinyl chloride	1.33	62	65035	48.762	ug/L	99
6) Bromomethane	1.52	94	29399	41.198	ug/L	98
8) Chloroethane	1.58	64	40340	59.296	ug/L	99
9) Trichlorofluoromethane	1.76	101	132573	54.860	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	74592	50.443	ug/L	96
12) 1,1-Dichloroethene	2.14	96	68809	51.147	ug/L	96
13) Acetone	2.19	43	91801	72.266	ug/L	100
14) Carbon disulfide	2.32	76	173293	47.173	ug/L	100
15) Methyl Acetate	2.46	43	72953	53.062	ug/L	99
16) Methylene chloride	2.54	84	72703	48.532	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	68701	50.462	ug/L	96
18) Methyl tert-butyl Ether	2.81	73	225560	52.046	ug/L	99
19) 1,1-Dichloroethane	3.23	63	124077	51.626	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	77356	49.528	ug/L	94
22) 2-Butanone	4.02	43	96565	90.546	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41211	50.416	ug/L	96
25) Chloroform	4.43	83	137497	51.318	ug/L	98
27) 1,2-Dichloroethane	5.18	62	104293	50.099	ug/L	100
29) Cyclohexane	4.73	56	106706	49.159	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	122437	49.035	ug/L	100
31) Carbon tetrachloride	4.88	117	109473	48.557	ug/L	100
33) Benzene	5.15	78	282519	50.296	ug/L	100
34) Trichloroethene	5.96	95	82047	50.597	ug/L	99
35) Methylcyclohexane	6.18	83	117755	48.968	ug/L	98
37) 1,2-Dichloropropane	6.23	63	71975	49.562	ug/L	100
38) Bromodichloromethane	6.56	83	98056	48.790	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	110341	47.644	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	182610	108.841	ug/L	99
42) Toluene	7.43	91	303397	50.554	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	106943	49.539	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	74027	50.340	ug/L	99
46) Tetrachloroethene	8.02	164	64904	50.264	ug/L	94
48) 2-Hexanone	8.18	43	141060	100.956	ug/L	97
49) Dibromochloromethane	8.29	129	84921	49.691	ug/L	100
50) 1,2-Dibromoethane	8.40	107	80653	51.312	ug/L	100
51) Chlorobenzene	8.93	112	207714	50.652	ug/L	100
52) Ethylbenzene	9.06	91	338785	51.154	ug/L	100
53) m,p-Xylene	9.18	106	130681	51.744	ug/L	99
54) o-xylene	9.59	106	128881	51.594	ug/L	99
55) Styrene	9.60	104	217845	52.747	ug/L	99
56) Isopropylbenzene	9.98	105	339299	51.459	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	108216	50.094	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	96806	52.932	ug/L	100
61) Bromoform	9.78	173	61611	46.702	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	159603	48.487	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	161916	48.851	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	167037	49.977	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23456	51.338	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	109479	51.607	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	77190	53.047	ug/L	99
69) Naphthalene	13.55	128	178693	49.114	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	79758	54.428	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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