

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112618\
 Data File : VV008709.D
 Acq On : 26 Nov 2018 12:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Nov 27 03:08:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	308654	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	279137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	134992	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86497	39.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.44%
7) Chloroethane-d5	1.57	69	58933	49.54	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	2.13	63	157781	43.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.80%
21) 2-Butanone-d5	3.93	46	141751	79.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.87%
24) Chloroform-d	4.40	84	194327	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
26) 1,2-Dichloroethane-d4	5.08	65	122037	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
32) Benzene-d6	5.10	84	393753	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.70%
36) 1,2-Dichloropropane-d6	6.12	67	120714	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.94%
41) Toluene-d8	7.36	98	358116	45.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.90%
43) trans-1,3-Dichloropropene-	7.66	79	58438	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.28%
47) 2-Hexanone-d5	8.13	63	104568	85.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	160187	43.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.54%
64) 1,2-Dichlorobenzene-d4	11.68	152	136372	46.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	110620	44.254	ug/L 98
3) Chloromethane	1.25	50	97287	40.182	ug/L 100
5) Vinyl chloride	1.33	62	101208	43.055	ug/L 97
6) Bromomethane	1.52	94	36423	45.927	ug/L 95
8) Chloroethane	1.59	64	54388	46.192	ug/L 93
9) Trichlorofluoromethane	1.76	101	143437	47.423	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83974	48.097	ug/L 98
12) 1,1-Dichloroethene	2.14	96	74276	47.397	ug/L 88
13) Acetone	2.19	43	153074	87.167	ug/L 100
14) Carbon disulfide	2.32	76	265828	43.561	ug/L 99
15) Methyl Acetate	2.46	43	109786	39.648	ug/L 100
16) Methylene chloride	2.54	84	107415	44.254	ug/L 94
17) trans-1,2-Dichloroethene	2.79	96	99371	45.718	ug/L 94
18) Methyl tert-butyl Ether	2.81	73	319103	44.205	ug/L 99
19) 1,1-Dichloroethane	3.23	63	184847	44.330	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	112110	45.109	ug/L 91
22) 2-Butanone	4.02	43	181921	81.811	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	54332	45.395	ug/L	87
25) Chloroform	4.43	83	191781	44.188	ug/L	95
27) 1,2-Dichloroethane	5.18	62	148044	44.032	ug/L	99
29) Cyclohexane	4.73	56	174063	46.032	ug/L #	100
30) 1,1,1-Trichloroethane	4.66	97	166931	48.396	ug/L	97
31) Carbon tetrachloride	4.88	117	144595	50.408	ug/L	99
33) Benzene	5.15	78	418659	46.652	ug/L	100
34) Trichloroethene	5.96	95	111728	46.979	ug/L	90
35) Methylcyclohexane	6.18	83	188170	47.917	ug/L	98
37) 1,2-Dichloropropane	6.22	63	110708	45.673	ug/L #	94
38) Bromodichloromethane	6.56	83	138758	47.770	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	170621	49.526	ug/L	94
40) 4-Methyl-2-pentanone	7.27	43	282959	83.124	ug/L	93
42) Toluene	7.43	91	445718	47.760	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	155604	49.652	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	103968	47.001	ug/L	92
46) Tetrachloroethene	8.02	164	86363	50.276	ug/L	97
48) 2-Hexanone	8.19	43	233157	87.369	ug/L	97
49) Dibromochloromethane	8.29	129	110355	50.220	ug/L	94
50) 1,2-Dibromoethane	8.40	107	107785	46.787	ug/L #	97
51) Chlorobenzene	8.93	112	281292	47.375	ug/L	92
52) Ethylbenzene	9.06	91	483696	47.238	ug/L	99
53) m,p-Xylene	9.18	106	182238	48.433	ug/L	91
54) o-xylene	9.59	106	179816	48.060	ug/L	97
55) Styrene	9.60	104	302156	48.424	ug/L	100
56) Isopropylbenzene	9.98	105	474502	48.231	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	159909	42.734	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	130312	42.443	ug/L	100
61) Bromoform	9.78	173	74605	50.329	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	210492	46.534	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	214114	46.445	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	220970	47.328	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	33827	44.743	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	156592	49.722	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	123388	51.630	ug/L	97
69) Naphthalene	13.55	128	325860	47.888	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	127346	51.821	ug/L	98

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

