

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120519\
 Data File : VV013909.D
 Acq On : 05 Dec 2019 10:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Dec 06 04:04:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 04 16:35:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	668956	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	616346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	331434	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	178857	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.46%
7) Chloroethane-d5	1.57	69	192253	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.22%
11) 1,1-Dichloroethene-d2	2.13	63	407864	47.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.34%
21) 2-Butanone-d5	3.91	46	267729	98.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.31%
24) Chloroform-d	4.39	84	399082	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	5.07	65	241875	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
32) Benzene-d6	5.09	84	767337	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.11	67	228175	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.35	98	686203	47.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.26%
43) trans-1,3-Dichloropropene-	7.66	79	105460	45.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.42%
47) 2-Hexanone-d5	8.12	63	163635	91.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.41%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	303857	43.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.54%
64) 1,2-Dichlorobenzene-d4	11.67	152	301155	46.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	303344	50.927	ug/L 100
3) Chloromethane	1.25	50	300540	55.190	ug/L 100
5) Vinyl chloride	1.32	62	288625	50.819	ug/L 98
6) Bromomethane	1.52	94	188025	54.757	ug/L 100
8) Chloroethane	1.59	64	194104	51.364	ug/L 99
9) Trichlorofluoromethane	1.77	101	456021	51.624	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	260332	51.744	ug/L 100
12) 1,1-Dichloroethene	2.14	96	250655	51.577	ug/L 98
13) Acetone	2.18	43	476873	119.498	ug/L 97
14) Carbon disulfide	2.31	76	618387	48.251	ug/L 99
15) Methyl Acetate	2.45	43	236017	47.989	ug/L 99
16) Methylene chloride	2.53	84	251358	49.668	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	232343	48.878	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	689129	49.956	ug/L 100
19) 1,1-Dichloroethane	3.22	63	429168	50.112	ug/L 97
20) cis-1,2-Dichloroethene	3.95	96	261025	50.707	ug/L 98
22) 2-Butanone	4.00	43	454541	118.668	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	142492	50.101	ug/L	97
25) Chloroform	4.42	83	446320	48.748	ug/L	100
27) 1,2-Dichloroethane	5.17	62	340002	51.537	ug/L	99
29) Cyclohexane	4.72	56	377611	52.439	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	382039	51.345	ug/L	99
31) Carbon tetrachloride	4.87	117	348411	52.419	ug/L	98
33) Benzene	5.14	78	983331	53.573	ug/L	100
34) Trichloroethene	5.95	95	256234	52.049	ug/L	97
35) Methylcyclohexane	6.17	83	383738	51.952	ug/L	99
37) 1,2-Dichloropropane	6.21	63	231304	52.068	ug/L	99
38) Bromodichloromethane	6.55	83	314066	49.851	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	362048	51.769	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	575480	99.622	ug/L	98
42) Toluene	7.42	91	1010594	53.363	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	320554	50.617	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	234046	53.077	ug/L	99
46) Tetrachloroethene	8.01	164	234205	52.722	ug/L	98
48) 2-Hexanone	8.17	43	500446	108.298	ug/L	97
49) Dibromochloromethane	8.28	129	274732	50.969	ug/L	99
50) 1,2-Dibromoethane	8.39	107	248074	51.070	ug/L	99
51) Chlorobenzene	8.92	112	658087	50.368	ug/L	99
52) Ethylbenzene	9.05	91	1090170	52.218	ug/L	99
53) m,p-Xylene	9.17	106	424918	52.632	ug/L	100
54) o-xylene	9.58	106	412071	52.202	ug/L	98
55) Styrene	9.60	104	718499	52.757	ug/L	100
56) Isopropylbenzene	9.97	105	1087344	51.247	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	331460	46.174	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	287306	47.792	ug/L	100
61) Bromoform	9.77	173	218960	54.006	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	547907	50.382	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	547524	48.700	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	552208	50.762	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	69639	46.063	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	428892	48.564	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	328362	41.207	ug/L	99
69) Naphthalene	13.55	128	657102	31.405	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	351832	42.219	ug/L	99

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

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