

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121819\
 Data File : VV014109.D
 Acq On : 18 Dec 2019 09:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Dec 19 07:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 18 06:35:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	776368	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	712287	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	394567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	242182	53.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.88%
7) Chloroethane-d5	1.58	69	227252	48.49	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.98%
11) 1,1-Dichloroethene-d2	2.13	63	454282	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.50%
21) 2-Butanone-d5	3.92	46	309258	97.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.85%
24) Chloroform-d	4.39	84	483129	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
26) 1,2-Dichloroethane-d4	5.07	65	286283	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.09	84	940251	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.88%
36) 1,2-Dichloropropane-d6	6.11	67	292842	52.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.72%
41) Toluene-d8	7.35	98	829340	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%
43) trans-1,3-Dichloropropene-	7.66	79	125962	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
47) 2-Hexanone-d5	8.12	63	218375	105.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.56%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	377746	47.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.18%
64) 1,2-Dichlorobenzene-d4	11.67	152	342419	44.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	316976	45.854	ug/L	98
3) Chloromethane	1.25	50	349184	55.251	ug/L	100
5) Vinyl chloride	1.33	62	316471	48.013	ug/L	96
6) Bromomethane	1.53	94	162614	40.805	ug/L	98
8) Chloroethane	1.60	64	193000	44.006	ug/L	99
9) Trichlorofluoromethane	1.77	101	435174	42.448	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	254709	43.622	ug/L	98
12) 1,1-Dichloroethene	2.14	96	232430	41.210	ug/L	90
13) Acetone	2.18	43	447951	96.720	ug/L	98
14) Carbon disulfide	2.32	76	645279	43.384	ug/L	100
15) Methyl Acetate	2.45	43	277063	48.540	ug/L	98
16) Methylene chloride	2.53	84	279667	47.616	ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	250088	45.332	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	752613	47.010	ug/L	100
19) 1,1-Dichloroethane	3.23	63	483093	48.604	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	276678	46.311	ug/L	95
22) 2-Butanone	4.00	43	466743	104.995	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	149208	45.205	ug/L	92
25) Chloroform	4.42	83	496675	46.743	ug/L	97
27) 1,2-Dichloroethane	5.17	62	365908	47.790	ug/L	100
29) Cyclohexane	4.72	56	397754	47.796	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	413706	48.112	ug/L	99
31) Carbon tetrachloride	4.87	117	380683	49.560	ug/L	99
33) Benzene	5.14	78	1060224	49.982	ug/L	100
34) Trichloroethene	5.96	95	267358	46.994	ug/L	99
35) Methylcyclohexane	6.17	83	419470	49.140	ug/L	97
37) 1,2-Dichloropropane	6.21	63	272988	53.174	ug/L	100
38) Bromodichloromethane	6.55	83	367666	50.499	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	403401	49.913	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	685066	102.619	ug/L	99
42) Toluene	7.42	91	1074271	49.085	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	356876	48.762	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	252701	49.589	ug/L	98
46) Tetrachloroethene	8.01	164	236302	46.029	ug/L	96
48) 2-Hexanone	8.17	43	579536	108.521	ug/L	94
49) Dibromochloromethane	8.28	129	301828	48.453	ug/L	98
50) 1,2-Dibromoethane	8.39	107	263190	46.884	ug/L	99
51) Chlorobenzene	8.92	112	702921	46.553	ug/L	99
52) Ethylbenzene	9.05	91	1157766	47.986	ug/L	100
53) m,p-Xylene	9.17	106	453693	48.627	ug/L	98
54) o-xylene	9.58	106	434707	47.652	ug/L	100
55) Styrene	9.60	104	772456	49.079	ug/L	97
56) Isopropylbenzene	9.97	105	1144580	46.678	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	405247	48.849	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	323302	46.536	ug/L	100
61) Bromoform	9.77	173	233032	48.280	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	601834	46.486	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	605956	45.273	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	586201	45.265	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	78844	43.807	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	473796	45.065	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	400659	42.234	ug/L	100
69) Naphthalene	13.55	128	1004999	40.347	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	452229	45.584	ug/L	99

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

