

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
 Data File : VV014579.D
 Acq On : 13 Feb 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Feb 13 15:29:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 13:28:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305377	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	286402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	144642	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56180	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	40466	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	2.13	63	96555	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
21) 2-Butanone-d5	3.92	46	96191	98.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.91%
24) Chloroform-d	4.40	84	173248	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.32%
26) 1,2-Dichloroethane-d4	5.07	65	105527	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
32) Benzene-d6	5.09	84	344250	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
36) 1,2-Dichloropropane-d6	6.11	67	102788	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.66%
41) Toluene-d8	7.35	98	330737	50.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.38%
43) trans-1,3-Dichloropropene-	7.66	79	57691	50.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.42%
47) 2-Hexanone-d5	8.12	63	78139	94.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.79%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	139087	49.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.34%
64) 1,2-Dichlorobenzene-d4	11.67	152	126494	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	108081	49.873	ug/L 99
3) Chloromethane	1.26	50	90732	47.133	ug/L 95
5) Vinyl chloride	1.33	62	68079	49.761	ug/L 100
6) Bromomethane	1.53	94	36067	54.179	ug/L 97
8) Chloroethane	1.60	64	33217	48.342	ug/L 98
9) Trichlorofluoromethane	1.77	101	118969	50.337	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	51509	51.125	ug/L 99
12) 1,1-Dichloroethene	2.14	96	46638	49.797	ug/L 98
13) Acetone	2.18	43	73002	87.498	ug/L 97
14) Carbon disulfide	2.32	76	223103	48.664	ug/L 99
15) Methyl Acetate	2.45	43	74732	46.734	ug/L 99
16) Methylene chloride	2.54	84	94826	48.440	ug/L 94
17) trans-1,2-Dichloroethene	2.79	96	90203	48.825	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	291676	49.233	ug/L 100
19) 1,1-Dichloroethane	3.23	63	161413	49.827	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	105222	49.263	ug/L 99
22) 2-Butanone	4.00	43	128912	103.051	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	52032	50.295	ug/L	95
25) Chloroform	4.42	83	177687	49.574	ug/L	98
27) 1,2-Dichloroethane	5.17	62	133356	50.464	ug/L	99
29) Cyclohexane	4.72	56	140909	49.146	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	157062	50.410	ug/L	99
31) Carbon tetrachloride	4.87	117	141678	50.359	ug/L	98
33) Benzene	5.14	78	372291	49.510	ug/L	100
34) Trichloroethene	5.96	95	102846	50.684	ug/L	98
35) Methylcyclohexane	6.17	83	160196	50.423	ug/L	100
37) 1,2-Dichloropropane	6.22	63	93817	50.527	ug/L	99
38) Bromodichloromethane	6.55	83	136583	50.165	ug/L	96
39) cis-1,3-Dichloropropene	7.06	75	165969	50.633	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	214006	93.308	ug/L	100
42) Toluene	7.42	91	410309	50.038	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	150096	50.703	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	96345	50.233	ug/L	98
46) Tetrachloroethene	8.01	164	81963	51.367	ug/L	99
48) 2-Hexanone	8.17	43	177642	99.344	ug/L	97
49) Dibromochloromethane	8.28	129	114719	50.186	ug/L	98
50) 1,2-Dibromoethane	8.39	107	103027	49.645	ug/L	99
51) Chlorobenzene	8.92	112	273327	49.858	ug/L	98
52) Ethylbenzene	9.05	91	468303	50.347	ug/L	99
53) m,p-Xylene	9.18	106	180287	49.647	ug/L	100
54) o-xylene	9.58	106	175985	50.702	ug/L	99
55) Styrene	9.60	104	302641	50.743	ug/L	100
56) Isopropylbenzene	9.97	105	464742	50.337	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	148591	49.039	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	115154	48.192	ug/L	100
61) Bromoform	9.77	173	79784	50.964	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	221170	50.560	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	223611	50.152	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	214941	50.021	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	32474	46.393	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	159145	50.590	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	145235	49.855	ug/L	99
69) Naphthalene	13.54	128	440082	47.641	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	141842	50.507	ug/L	100

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

