

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020620\
 Data File : VV014521.D
 Acq On : 06 Feb 2020 16:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050207

Quant Time: Feb 07 01:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 01:37:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	356882	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	329492	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	167034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111920	57.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.66%
7) Chloroethane-d5	1.58	69	78628	58.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.90%
11) 1,1-Dichloroethene-d2	2.13	63	162418	55.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.52%
21) 2-Butanone-d5	3.92	46	175951	117.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.78%
24) Chloroform-d	4.39	84	261862	59.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.74%
26) 1,2-Dichloroethane-d4	5.07	65	160264	59.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.06%
32) Benzene-d6	5.09	84	547626	60.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.04%
36) 1,2-Dichloropropane-d6	6.11	67	167867	60.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.00%
41) Toluene-d8	7.35	98	510758	60.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.60%#
43) trans-1,3-Dichloropropene-	7.66	79	88278	58.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.70%
47) 2-Hexanone-d5	8.12	63	141594	118.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.96%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	215216	59.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	118.48%
66) 1,2-Dichlorobenzene-d4	11.67	152	189669	59.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.42%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	140823	49.259	ug/L	100
3) Chloromethane	1.26	50	138122	47.716	ug/L	99
5) Vinyl chloride	1.32	62	106217	47.908	ug/L	99
6) Bromomethane	1.53	94	47145	46.244	ug/L	97
8) Chloroethane	1.60	64	51762	46.985	ug/L	99
9) Trichlorofluoromethane	1.77	101	146119	48.925	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68815	47.985	ug/L	100
12) 1,1-Dichloroethene	2.14	96	64822	47.258	ug/L	99
13) Acetone	2.18	43	106065	84.795	ug/L	100
14) Carbon disulfide	2.32	76	317617	47.691	ug/L	99
15) Methyl Acetate	2.45	43	111684	46.435	ug/L	99
16) Methylene chloride	2.54	84	123975	47.591	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	116890	48.369	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	360323	47.084	ug/L	100
19) 1,1-Dichloroethane	3.23	63	203831	47.168	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	130209	47.879	ug/L	99
22) 2-Butanone	4.00	43	164273	88.797	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	62028	48.168	ug/L	98
25) Chloroform	4.42	83	210728	47.957	ug/L	98
27) 1,2-Dichloroethane	5.17	62	154641	47.232	ug/L	99
29) Cyclohexane	4.72	56	193953	47.876	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	180697	48.052	ug/L	99
31) Carbon tetrachloride	4.87	117	157724	47.543	ug/L	99
33) Benzene	5.14	78	469041	48.420	ug/L	100
34) Trichloroethene	5.95	95	123402	48.060	ug/L	100
35) Methylcyclohexane	6.17	83	205057	48.870	ug/L	99
37) 1,2-Dichloropropane	6.21	63	118639	48.083	ug/L	100
38) Bromodichloromethane	6.55	83	157995	47.714	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	197527	47.991	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	291385	91.386	ug/L	99
42) Toluene	7.42	91	501675	48.303	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	179651	48.680	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	112137	47.372	ug/L	97
46) Tetrachloroethene	8.01	164	94706	48.349	ug/L	97
48) 2-Hexanone	8.17	43	223490	91.050	ug/L	97
49) Dibromochloromethane	8.28	129	128039	47.910	ug/L	98
50) 1,2-Dibromoethane	8.39	107	121630	47.442	ug/L	98
51) Chlorobenzene	8.92	112	322480	47.534	ug/L	99
52) Ethylbenzene	9.05	91	560587	48.130	ug/L	99
53) m,p-Xylene	9.18	106	214122	47.726	ug/L	100
54) o-Xylene	9.58	106	207448	48.309	ug/L	98
55) Styrene	9.60	104	358292	48.819	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	176834	47.664	ug/L	99
59) Bromoform	9.77	173	85454	45.868	ug/L	98
60) Isopropylbenzene	9.97	105	547205	48.444	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	137257	46.399	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	467588	48.354	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	463021	48.569	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	254746	47.812	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	258642	47.154	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	245763	47.574	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	37239	44.952	ug/L	99
69) 1,3,5-Trichlorobenzene	12.69	180	182425	48.599	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	168038	48.759	ug/L	100
71) Naphthalene	13.54	128	520954	46.019	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	157655	47.083	ug/L	98

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

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