

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014788.D
 Acq On : 09 Mar 2020 20:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Mar 10 14:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:28:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	421581	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	419138	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	218297	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	116854	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.92%
7) Chloroethane-d5	1.58	69	97359	43.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.34%
11) 1,1-Dichloroethene-d2	2.12	63	203300	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
21) 2-Butanone-d5	3.94	46	198942	93.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.50%
24) Chloroform-d	4.38	84	259206	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.06	65	165606	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
32) Benzene-d6	5.08	84	518746	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
36) 1,2-Dichloropropane-d6	6.10	67	162119	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.40%
41) Toluene-d8	7.34	98	501933	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	7.64	79	82213	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.12	63	163471	100.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.37%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	231742	45.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	208269	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	199259	47.823	ug/L	99
3) Chloromethane	1.25	50	161401	43.981	ug/L	99
5) Vinyl chloride	1.32	62	152441	44.826	ug/L	99
6) Bromomethane	1.53	94	70448	33.378	ug/L	97
8) Chloroethane	1.60	64	84307	46.119	ug/L	97
9) Trichlorofluoromethane	1.76	101	219971	48.374	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109490	46.772	ug/L	99
12) 1,1-Dichloroethene	2.13	96	105107	45.895	ug/L	97
13) Acetone	2.22	43	133446	75.115	ug/L	59
14) Carbon disulfide	2.31	76	338124	44.656	ug/L	100
15) Methyl Acetate	2.46	43	148458	44.480	ug/L	93
16) Methylene chloride	2.52	84	153199	49.255	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	137138	48.472	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	461475	49.822	ug/L	98
19) 1,1-Dichloroethane	3.21	63	259834	47.020	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	156064	49.321	ug/L	94
22) 2-Butanone	4.02	43	213748	91.207	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014788.D
 Acq On : 09 Mar 2020 20:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Mar 10 14:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:28:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	79015	49.049	ug/L	95
25) Chloroform	4.41	83	269521	47.080	ug/L	97
27) 1,2-Dichloroethane	5.16	62	215835	48.645	ug/L	97
29) Cyclohexane	4.70	56	236682	46.345	ug/L	94
30) 1,1,1-Trichloroethane	4.64	97	242446	49.892	ug/L	98
31) Carbon tetrachloride	4.86	117	211814	51.324	ug/L	100
33) Benzene	5.13	78	587565	48.389	ug/L	100
34) Trichloroethene	5.94	95	149917	47.244	ug/L	96
35) Methylcyclohexane	6.15	83	250609	47.843	ug/L	96
37) 1,2-Dichloropropane	6.20	63	150650	45.912	ug/L #	97
38) Bromodichloromethane	6.53	83	202754	48.576	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	244152	47.471	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	438046	92.122	ug/L #	94
42) Toluene	7.41	91	647673	48.348	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	217253	46.337	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	147949	48.957	ug/L	93
46) Tetrachloroethene	8.00	164	130282	50.180	ug/L	96
48) 2-Hexanone	8.17	43	350175	93.634	ug/L #	96
49) Dibromochloromethane	8.27	129	160823	48.826	ug/L	99
50) 1,2-Dibromoethane	8.37	107	160333	49.082	ug/L	98
51) Chlorobenzene	8.90	112	431399	50.051	ug/L	98
52) Ethylbenzene	9.03	91	736380	48.793	ug/L	99
53) m,p-Xylene	9.16	106	281826	49.760	ug/L	98
54) o-xylene	9.56	106	282687	50.811	ug/L	95
55) Styrene	9.58	104	482712	50.740	ug/L	99
56) Isopropylbenzene	9.95	105	744950	49.995	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	248627	47.766	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	204114	48.709	ug/L	99
61) Bromoform	9.75	173	111898	47.249	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	348553	49.376	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	357262	50.234	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	354656	50.463	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	58608	49.135	ug/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	264770	48.497	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	244335	48.691	ug/L	99
69) Naphthalene	13.52	128	378718	50.133	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	252606	50.503	ug/L	99

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

