

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014767.D
 Acq On : 09 Mar 2020 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Mar 10 14:22:50 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	454913	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	447795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	245425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137273	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.18%
7) Chloroethane-d5	1.58	69	110689	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.12	63	232370	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
21) 2-Butanone-d5	3.93	46	202314	88.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.11%
24) Chloroform-d	4.37	84	283471	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.06	65	185197	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.07	84	583061	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.09	67	180834	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.28%
41) Toluene-d8	7.33	98	572993	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%
43) trans-1,3-Dichloropropene-	7.64	79	95910	50.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.26%
47) 2-Hexanone-d5	8.11	63	161418	92.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.77%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	253392	47.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.02%
64) 1,2-Dichlorobenzene-d4	11.64	152	240768	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	224448	49.922	ug/L	100
3) Chloromethane	1.25	50	174766	44.134	ug/L	98
5) Vinyl chloride	1.32	62	165061	44.980	ug/L	98
6) Bromomethane	1.53	94	106305	46.676	ug/L	98
8) Chloroethane	1.60	64	92686	46.987	ug/L	99
9) Trichlorofluoromethane	1.76	101	242553	49.432	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	124308	49.211	ug/L	98
12) 1,1-Dichloroethene	2.13	96	115740	46.835	ug/L	98
13) Acetone	2.22	43	231749	120.891	ug/L	98
14) Carbon disulfide	2.31	76	400034	48.961	ug/L	100
15) Methyl Acetate	2.46	43	157188	43.645	ug/L	95
16) Methylene chloride	2.52	84	162465	48.407	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	154021	50.451	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	491902	49.216	ug/L	99
19) 1,1-Dichloroethane	3.21	63	282391	47.358	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	169949	49.773	ug/L	93
22) 2-Butanone	4.01	43	277668	109.801	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	87312	50.228	ug/L	95
25) Chloroform	4.40	83	306672	49.644	ug/L	100
27) 1,2-Dichloroethane	5.15	62	231552	48.364	ug/L	99
29) Cyclohexane	4.70	56	267833	49.089	ug/L	92
30) 1,1,1-Trichloroethane	4.63	97	264165	50.882	ug/L	99
31) Carbon tetrachloride	4.85	117	237937	53.964	ug/L	100
33) Benzene	5.12	78	646033	49.799	ug/L	100
34) Trichloroethene	5.94	95	169233	49.918	ug/L	95
35) Methylcyclohexane	6.15	83	289697	51.765	ug/L	96
37) 1,2-Dichloropropane	6.20	63	164785	47.006	ug/L	98
38) Bromodichloromethane	6.53	83	226054	50.692	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	283890	51.665	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	448493	88.283	ug/L #	96
42) Toluene	7.41	91	722403	50.476	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	254152	50.738	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	158561	49.111	ug/L	97
46) Tetrachloroethene	8.00	164	151428	54.592	ug/L	97
48) 2-Hexanone	8.16	43	382646	95.769	ug/L #	96
49) Dibromochloromethane	8.27	129	184626	52.466	ug/L	98
50) 1,2-Dibromoethane	8.37	107	174079	49.880	ug/L	100
51) Chlorobenzene	8.90	112	476902	51.789	ug/L	97
52) Ethylbenzene	9.03	91	824662	51.146	ug/L	99
53) m,p-Xylene	9.16	106	318593	52.652	ug/L	97
54) o-xylene	9.56	106	312465	52.569	ug/L	95
55) Styrene	9.58	104	535290	52.666	ug/L	99
56) Isopropylbenzene	9.95	105	828403	52.037	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	265469	47.737	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	213152	47.610	ug/L	99
61) Bromoform	9.75	173	136342	51.207	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	406925	51.273	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	408448	51.083	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	399981	50.622	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	62516	46.618	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	323144	52.646	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	292933	51.924	ug/L	99
69) Naphthalene	13.52	128	416486	49.038	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	288991	51.391	ug/L	99

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

