

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103020\
 Data File : VV019175.D
 Acq On : 30 Oct 2020 09:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Oct 31 01:49:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	263975	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	257272	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144917	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77950	37.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.32%
7) Chloroethane-d5	1.58	69	63120	38.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.46%
11) 1,1-Dichloroethene-d2	2.13	63	165949	41.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.16%
21) 2-Butanone-d5	3.91	46	101060	78.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.65%
24) Chloroform-d	4.37	84	165064	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.05	65	112351	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.64%
32) Benzene-d6	5.07	84	304940	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.56%
36) 1,2-Dichloropropane-d6	6.09	67	91900	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.46%
41) Toluene-d8	7.33	98	296843	42.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.68%
43) trans-1,3-Dichloropropene-	7.64	79	52753	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.78%
47) 2-Hexanone-d5	8.10	63	73970	78.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.49%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	121582	41.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	124167	40.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	109127	47.081	ug/L 99
3) Chloromethane	1.25	50	96154	45.682	ug/L 99
5) Vinyl chloride	1.32	62	99849	46.334	ug/L 100
6) Bromomethane	1.53	94	65416	45.318	ug/L 97
8) Chloroethane	1.60	64	62993	47.012	ug/L 100
9) Trichlorofluoromethane	1.77	101	169464	47.182	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	82404	47.674	ug/L 99
12) 1,1-Dichloroethene	2.13	96	77278	45.651	ug/L 97
13) Acetone	2.19	43	131932	110.527	ug/L 99
14) Carbon disulfide	2.31	76	245743	45.671	ug/L 99
15) Methyl Acetate	2.45	43	83986	43.660	ug/L 99
16) Methylene chloride	2.52	84	86974	45.247	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	85013	46.757	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	271786	44.642	ug/L 99
19) 1,1-Dichloroethane	3.21	63	156642	46.243	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	89079	44.641	ug/L 95
22) 2-Butanone	3.99	43	130976	100.738	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	47768	44.611	ug/L	98
25) Chloroform	4.40	83	167537	45.769	ug/L	99
27) 1,2-Dichloroethane	5.15	62	142539	45.739	ug/L	99
29) Cyclohexane	4.70	56	136421	47.498	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	159512	45.753	ug/L	99
31) Carbon tetrachloride	4.85	117	143356	46.371	ug/L	99
33) Benzene	5.12	78	344695	46.469	ug/L	100
34) Trichloroethene	5.94	95	92405	45.473	ug/L	98
35) Methylcyclohexane	6.15	83	130344	47.514	ug/L	98
37) 1,2-Dichloropropane	6.20	63	88053	47.799	ug/L	99
38) Bromodichloromethane	6.53	83	125470	45.786	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	140976	46.332	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	228195	89.797	ug/L	99
42) Toluene	7.41	91	384660	47.303	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	148268	46.843	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	83616	45.258	ug/L	99
46) Tetrachloroethene	7.99	164	81220	46.807	ug/L	100
48) 2-Hexanone	8.16	43	192206	95.157	ug/L	100
49) Dibromochloromethane	8.26	129	102491	45.817	ug/L	98
50) 1,2-Dibromoethane	8.37	107	88627	44.962	ug/L	100
51) Chlorobenzene	8.90	112	244768	45.911	ug/L	99
52) Ethylbenzene	9.03	91	423891	47.307	ug/L	100
53) m,p-Xylene	9.16	106	161127	47.609	ug/L	99
54) o-xylene	9.56	106	155167	47.753	ug/L	99
55) Styrene	9.58	104	276863	48.074	ug/L	99
56) Isopropylbenzene	9.95	105	417259	47.783	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	125321	44.547	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	105512	43.814	ug/L	100
61) Bromoform	9.75	173	78050	43.661	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	208414	45.594	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	212421	44.715	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	202896	44.807	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	32002	41.303	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	148979	44.274	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	138026	43.781	ug/L	98
69) Naphthalene	13.52	128	393836	44.600	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	138981	45.048	ug/L	100

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

