

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019725.D
 Acq On : 19 Dec 2020 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Dec 21 03:29:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 07:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	762957	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	717520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	369870	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	230756	42.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.36%
7) Chloroethane-d5	1.57	69	195547	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.11	63	458394	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
21) 2-Butanone-d5	3.89	46	377988	127.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.11%
24) Chloroform-d	4.35	84	465730	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
26) 1,2-Dichloroethane-d4	5.03	65	307170	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
32) Benzene-d6	5.05	84	880065	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
36) 1,2-Dichloropropane-d6	6.07	67	285657	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.30%
41) Toluene-d8	7.32	98	772840	44.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.70%
43) trans-1,3-Dichloropropene-	7.62	79	146346	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.84%
47) 2-Hexanone-d5	8.09	63	266032	113.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.07%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	388768	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.63	152	304070	43.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	275431	44.733	ug/L 100
3) Chloromethane	1.24	50	297180	45.408	ug/L 99
5) Vinyl chloride	1.31	62	301107	45.868	ug/L 98
6) Bromomethane	1.52	94	177371	44.991	ug/L 100
8) Chloroethane	1.59	64	181704	45.889	ug/L 100
9) Trichlorofluoromethane	1.75	101	378650	47.210	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	216765	48.939	ug/L 98
12) 1,1-Dichloroethene	2.12	96	209318	46.052	ug/L # 74
13) Acetone	2.18	43	258460	102.025	ug/L 100
14) Carbon disulfide	2.30	76	621972	41.646	ug/L 99
15) Methyl Acetate	2.43	43	268777	48.697	ug/L 99
16) Methylene chloride	2.51	84	251379	47.171	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	228336	45.833	ug/L 97
18) Methyl tert-butyl Ether	2.77	73	792916	45.548	ug/L 99
19) 1,1-Dichloroethane	3.19	63	461771	47.810	ug/L 100
20) cis-1,2-Dichloroethene	3.91	96	252931	46.184	ug/L # 98
22) 2-Butanone	3.97	43	385424	103.720	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	122207	45.352	ug/L	96
25) Chloroform	4.38	83	459147	47.599	ug/L	100
27) 1,2-Dichloroethane	5.13	62	376018	47.053	ug/L	99
29) Cyclohexane	4.68	56	408245	46.423	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	398722	44.318	ug/L	98
31) Carbon tetrachloride	4.83	117	333849	43.957	ug/L	98
33) Benzene	5.10	78	977837	46.630	ug/L	100
34) Trichloroethene	5.92	95	255157	46.061	ug/L	99
35) Methylcyclohexane	6.13	83	407475	48.420	ug/L	99
37) 1,2-Dichloropropane	6.17	63	266313	48.630	ug/L	100
38) Bromodichloromethane	6.51	83	345399	45.105	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	413021	45.410	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	742966	94.037	ug/L	98
42) Toluene	7.39	91	1027876	46.507	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	403773	43.843	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	238937	45.946	ug/L	99
46) Tetrachloroethene	7.98	164	175743	45.849	ug/L	98
48) 2-Hexanone	8.14	43	573038	95.587	ug/L	97
49) Dibromochloromethane	8.25	129	251122	44.094	ug/L	98
50) 1,2-Dibromoethane	8.35	107	246546	45.020	ug/L	100
51) Chlorobenzene	8.88	112	651703	46.168	ug/L	100
52) Ethylbenzene	9.02	91	1173820	46.615	ug/L	99
53) m,p-Xylene	9.14	106	433585	46.089	ug/L	99
54) o-xylene	9.55	106	421060	45.663	ug/L	98
55) Styrene	9.56	104	743837	46.284	ug/L	99
56) Isopropylbenzene	9.94	105	1153217	46.944	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	385848	46.137	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	322716	47.377	ug/L	99
61) Bromoform	9.74	173	161782	39.531	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	505301	44.528	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	514218	44.749	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	507550	45.263	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	95027	40.598	ug/L	89
67) 1,3,5-Trichlorobenzene	12.65	180	370073	46.157	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	336552	44.894	ug/L	100
69) Naphthalene	13.51	128	1090869	41.908	ug/L	99
70) 1,2,3-Trichlorobenzene	13.75	180	327119	44.652	ug/L	99

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

