

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080719\
 Data File : VV012120.D
 Acq On : 07 Aug 2019 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Aug 08 01:10:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 18:21:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273248	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	260171	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	152968	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63535	42.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.08%
7) Chloroethane-d5	1.58	69	41571	39.21	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.42%
11) 1,1-Dichloroethene-d2	2.13	63	108273	41.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.62%
21) 2-Butanone-d5	3.92	46	100200	92.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.07%
24) Chloroform-d	4.40	84	167463	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
26) 1,2-Dichloroethane-d4	5.08	65	112566	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.10	84	317896	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.92%
36) 1,2-Dichloropropane-d6	6.11	67	91717	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.58%
41) Toluene-d8	7.36	98	316108	43.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.58%
43) trans-1,3-Dichloropropene-	7.66	79	56188	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.13	63	82608	91.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.72%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	142579	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
66) 1,2-Dichlorobenzene-d4	11.67	152	159643	44.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115123	59.650	ug/L 99
3) Chloromethane	1.25	50	74077	54.055	ug/L 98
5) Vinyl chloride	1.32	62	67724	51.199	ug/L 99
6) Bromomethane	1.53	94	39777	51.796	ug/L 100
8) Chloroethane	1.60	64	32410	46.784	ug/L 97
9) Trichlorofluoromethane	1.77	101	112542	52.328	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	53781	51.011	ug/L 95
12) 1,1-Dichloroethene	2.14	96	47745	48.093	ug/L 96
13) Acetone	2.18	43	77729	104.751	ug/L 99
14) Carbon disulfide	2.32	76	162676	48.490	ug/L 98
15) Methyl Acetate	2.45	43	60048	46.250	ug/L 95
16) Methylene chloride	2.53	84	74001	49.128	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	71210	50.798	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	251064	52.122	ug/L 99
19) 1,1-Dichloroethane	3.23	63	128466	50.253	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	85111	51.546	ug/L 99
22) 2-Butanone	4.01	43	98136	102.620	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47470	52.283	ug/L	93
25) Chloroform	4.42	83	151838	52.399	ug/L	100
27) 1,2-Dichloroethane	5.18	62	119962	53.265	ug/L	97
29) Cyclohexane	4.72	56	107160	49.257	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	144486	52.280	ug/L	100
31) Carbon tetrachloride	4.87	117	135497	52.848	ug/L	98
33) Benzene	5.15	78	299916	50.078	ug/L	100
34) Trichloroethene	5.96	95	83704	50.284	ug/L	99
35) Methylcyclohexane	6.18	83	128659	51.928	ug/L	99
37) 1,2-Dichloropropane	6.22	63	71593	49.010	ug/L	100
38) Bromodichloromethane	6.55	83	118418	51.530	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	130596	50.708	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	186299	99.090	ug/L	99
42) Toluene	7.43	91	344665	51.793	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	128163	52.717	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	80825	51.328	ug/L	95
46) Tetrachloroethene	8.02	164	81946	52.835	ug/L	96
48) 2-Hexanone	8.18	43	147135	103.804	ug/L	99
49) Dibromochloromethane	8.29	129	108646	53.170	ug/L	99
50) 1,2-Dibromoethane	8.39	107	88908	51.053	ug/L	99
51) Chlorobenzene	8.92	112	241079	53.732	ug/L	99
52) Ethylbenzene	9.05	91	404438	54.164	ug/L	99
53) m,p-Xylene	9.18	106	158683	55.089	ug/L	95
54) o-Xylene	9.59	106	156069	54.602	ug/L	100
55) Styrene	9.60	104	268233	55.707	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	128817	53.197	ug/L	99
59) Bromoform	9.77	173	90453	50.411	ug/L	98
60) Isopropylbenzene	9.97	105	429680	51.312	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	103589	49.870	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	381661	52.721	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	382076	53.475	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	226075	53.507	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	222938	52.201	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	226587	52.561	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	33452	48.866	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	187164	54.645	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	162463	54.706	ug/L	98
71) Naphthalene	13.55	128	396744	52.711	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	159850	53.488	ug/L	99

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

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