

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038778.D
 Acq On : 10 Jun 2020 14:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Jun 11 03:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 00:28:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	614247	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	605186	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	311355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	127169	37.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.12%
7) Chloroethane-d5	1.93	69	105495	39.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.26%
11) 1,1-Dichloroethene-d2	2.59	63	316498	42.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.64%
21) 2-Butanone-d5	4.66	46	296826	88.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.90%
24) Chloroform-d	5.10	84	324176	43.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.62%
26) 1,2-Dichloroethane-d4	5.74	65	206141	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.06%
32) Benzene-d6	5.76	84	620959	42.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.72	67	191626	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.30%
41) Toluene-d8	7.92	98	560545	42.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.10%
43) trans-1,3-Dichloropropene-	8.20	79	97574	43.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.28%
47) 2-Hexanone-d5	8.66	63	205577	85.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	285423	42.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.18%
64) 1,2-Dichlorobenzene-d4	12.20	152	234459	43.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	235655	48.448	ug/L 99
3) Chloromethane	1.53	50	193826	41.307	ug/L 99
5) Vinyl chloride	1.62	62	219755	44.717	ug/L 99
6) Bromomethane	1.87	94	110447	43.153	ug/L 99
8) Chloroethane	1.95	64	132398	46.054	ug/L 98
9) Trichlorofluoromethane	2.16	101	330685	48.862	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	198675	50.364	ug/L 99
12) 1,1-Dichloroethene	2.60	96	182503	46.941	ug/L 98
13) Acetone	2.66	43	298571	110.975	ug/L 97
14) Carbon disulfide	2.82	76	586534	46.588	ug/L 99
15) Methyl Acetate	2.98	43	248839	44.259	ug/L 99
16) Methylene chloride	3.08	84	210402	45.580	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	196904	46.281	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	627368	45.606	ug/L 99
19) 1,1-Dichloroethane	3.91	63	360977	44.777	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	213015	45.293	ug/L 97
22) 2-Butanone	4.75	43	396667	96.140	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	108147	46.426	ug/L	98
25) Chloroform	5.12	83	375230	46.507	ug/L	97
27) 1,2-Dichloroethane	5.83	62	309832	46.420	ug/L	99
29) Cyclohexane	5.42	56	329912	47.649	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	332889	46.814	ug/L	99
31) Carbon tetrachloride	5.56	117	284080	48.258	ug/L	99
33) Benzene	5.81	78	830167	46.194	ug/L	100
34) Trichloroethene	6.57	95	213246	46.655	ug/L	98
35) Methylcyclohexane	6.79	83	337056	48.897	ug/L	99
37) 1,2-Dichloropropane	6.82	63	212919	45.466	ug/L	99
38) Bromodichloromethane	7.13	83	281399	46.873	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	336823	46.636	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	634193	86.624	ug/L	99
42) Toluene	7.99	91	895467	47.654	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	323468	46.758	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	203980	45.254	ug/L	99
46) Tetrachloroethene	8.57	164	162569	49.301	ug/L	97
48) 2-Hexanone	8.71	43	545508	90.137	ug/L	99
49) Dibromochloromethane	8.83	129	216157	46.695	ug/L	99
50) 1,2-Dibromoethane	8.94	107	219286	45.262	ug/L	99
51) Chlorobenzene	9.47	112	563981	46.718	ug/L	100
52) Ethylbenzene	9.59	91	994156	47.938	ug/L	100
53) m,p-Xylene	9.71	106	388935	48.856	ug/L	99
54) o-xylene	10.12	106	372949	48.258	ug/L	98
55) Styrene	10.13	104	647544	48.334	ug/L	98
56) Isopropylbenzene	10.50	105	988028	48.985	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	336493	43.865	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	296084	45.091	ug/L	99
61) Bromoform	10.31	173	154728	45.309	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	443524	46.154	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	451276	46.376	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	441903	46.203	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	88544	44.673	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	326301	47.268	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	306221	47.054	ug/L	98
69) Naphthalene	14.12	128	1078514	46.878	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	306389	46.927	ug/L	99

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

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