

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038800.D
 Acq On : 11 Jun 2020 00:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Jun 11 03:47:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 03:42:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	569258	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	559671	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	288470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123500	38.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.66%
7) Chloroethane-d5	1.93	69	106290	43.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.16%
11) 1,1-Dichloroethene-d2	2.59	63	302251	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.20%
21) 2-Butanone-d5	4.66	46	306447	99.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.04%
24) Chloroform-d	5.10	84	317894	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	5.74	65	206648	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.76	84	595604	44.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.36%
36) 1,2-Dichloropropane-d6	6.72	67	187920	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.46%
41) Toluene-d8	7.92	98	542922	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%
43) trans-1,3-Dichloropropene-	8.20	79	93451	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.34%
47) 2-Hexanone-d5	8.65	63	210717	95.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.28%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	291567	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	12.20	152	227735	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	213129	47.279 ug/L	99
3) Chloromethane	1.53	50	185563	42.672 ug/L	100
5) Vinyl chloride	1.62	62	210182	46.150 ug/L	100
6) Bromomethane	1.87	94	105984	44.682 ug/L	95
8) Chloroethane	1.95	64	129313	48.536 ug/L	98
9) Trichlorofluoromethane	2.16	101	319031	50.866 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	174444	47.716 ug/L	98
12) 1,1-Dichloroethene	2.60	96	172544	47.887 ug/L	97
13) Acetone	2.66	43	239331	95.987 ug/L	97
14) Carbon disulfide	2.82	76	560957	48.077 ug/L	99
15) Methyl Acetate	2.98	43	252689	48.496 ug/L	100
16) Methylene chloride	3.08	84	203648	47.603 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	190379	48.284 ug/L	98
18) Methyl tert-butyl Ether	3.40	73	616697	48.374 ug/L	99
19) 1,1-Dichloroethane	3.91	63	358970	48.047 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	210286	48.246 ug/L	99
22) 2-Butanone	4.75	43	376558	98.479 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	107259	49.683	ug/L	94
25) Chloroform	5.12	83	367826	49.193	ug/L	97
27) 1,2-Dichloroethane	5.83	62	307608	49.729	ug/L	100
29) Cyclohexane	5.42	56	299079	46.708	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	326430	49.638	ug/L	100
31) Carbon tetrachloride	5.56	117	270209	49.635	ug/L	99
33) Benzene	5.81	78	817120	49.166	ug/L	100
34) Trichloroethene	6.57	95	208245	49.266	ug/L	99
35) Methylcyclohexane	6.79	83	296466	46.506	ug/L	96
37) 1,2-Dichloropropane	6.82	63	207669	47.951	ug/L	98
38) Bromodichloromethane	7.13	83	277819	50.040	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	317954	47.604	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	646594	95.500	ug/L	99
42) Toluene	7.99	91	863211	49.674	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	308469	48.216	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	204011	48.942	ug/L	99
46) Tetrachloroethene	8.57	164	150115	49.226	ug/L	99
48) 2-Hexanone	8.70	43	554047	98.993	ug/L	99
49) Dibromochloromethane	8.83	129	211261	49.349	ug/L	99
50) 1,2-Dibromoethane	8.94	107	220180	49.143	ug/L	100
51) Chlorobenzene	9.46	112	546326	48.936	ug/L	99
52) Ethylbenzene	9.59	91	951281	49.601	ug/L	99
53) m,p-Xylene	9.71	106	370899	50.380	ug/L	98
54) o-xylene	10.11	106	357356	50.001	ug/L	98
55) Styrene	10.13	104	624700	50.421	ug/L	98
56) Isopropylbenzene	10.50	105	930367	49.878	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	335968	47.358	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	296915	48.895	ug/L	100
61) Bromoform	10.30	173	153951	48.658	ug/L	100
62) 1,3-Dichlorobenzene	11.75	146	427674	48.035	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	428602	47.541	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	423743	47.819	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	88811	48.362	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	303005	47.376	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	283218	46.972	ug/L	100
69) Naphthalene	14.11	128	1053854	49.441	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	293867	48.579	ug/L	99

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

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