

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050120\
 Data File : VU037994.D
 Acq On : 01 May 2020 17:33
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: May 02 00:12:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 02 00:09:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	690196	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	689965	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	336568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	234160	38.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.14%
7) Chloroethane-d5	1.93	69	204314	41.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.74%
11) 1,1-Dichloroethene-d2	2.59	63	415668	41.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.72%
21) 2-Butanone-d5	4.66	46	432623	91.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.18%
24) Chloroform-d	5.10	84	417636	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
26) 1,2-Dichloroethane-d4	5.74	65	288627	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.40%
32) Benzene-d6	5.76	84	860979	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.68%
36) 1,2-Dichloropropane-d6	6.72	67	294330	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.30%
41) Toluene-d8	7.92	98	788208	42.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.50%
43) trans-1,3-Dichloropropene-	8.20	79	140381	44.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.80%
47) 2-Hexanone-d5	8.65	63	260739	88.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.91%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	432980	44.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.12%
64) 1,2-Dichlorobenzene-d4	12.20	152	299622	42.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	256030	47.678	ug/L 99
3) Chloromethane	1.53	50	319329	46.922	ug/L 100
5) Vinyl chloride	1.62	62	325035	47.004	ug/L 98
6) Bromomethane	1.86	94	154436	46.889	ug/L 99
8) Chloroethane	1.94	64	199543	47.981	ug/L 99
9) Trichlorofluoromethane	2.15	101	345650	48.093	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	215449	48.776	ug/L 99
12) 1,1-Dichloroethene	2.60	96	215609	47.697	ug/L 98
13) Acetone	2.65	43	289086	94.590	ug/L 99
14) Carbon disulfide	2.82	76	673049	44.949	ug/L 99
15) Methyl Acetate	2.98	43	317067	47.649	ug/L 99
16) Methylene chloride	3.08	84	256147	48.072	ug/L 99
17) trans-1,2-Dichloroethene	3.38	96	228755	46.871	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	786899	48.458	ug/L 100
19) 1,1-Dichloroethane	3.91	63	469867	48.329	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	263124	48.759	ug/L 98
22) 2-Butanone	4.74	43	472248	95.472	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	124472	49.036	ug/L	99
25) Chloroform	5.12	83	454864	48.740	ug/L	99
27) 1,2-Dichloroethane	5.83	62	373042	48.340	ug/L	99
29) Cyclohexane	5.42	56	427627	47.432	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	369095	48.125	ug/L	100
31) Carbon tetrachloride	5.56	117	291175	48.094	ug/L	100
33) Benzene	5.81	78	1023428	47.449	ug/L	100
34) Trichloroethene	6.57	95	247336	47.289	ug/L	99
35) Methylcyclohexane	6.79	83	421857	48.016	ug/L	98
37) 1,2-Dichloropropane	6.82	63	278731	48.335	ug/L	100
38) Bromodichloromethane	7.13	83	334471	47.769	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	435250	49.238	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	887663	95.003	ug/L	99
42) Toluene	7.99	91	1092762	48.222	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	408004	49.437	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	250781	48.016	ug/L	99
46) Tetrachloroethene	8.57	164	171328	44.866	ug/L	96
48) 2-Hexanone	8.71	43	741533	96.303	ug/L	98
49) Dibromochloromethane	8.83	129	247732	49.183	ug/L	97
50) 1,2-Dibromoethane	8.94	107	264036	47.061	ug/L	98
51) Chlorobenzene	9.47	112	677202	47.995	ug/L	99
52) Ethylbenzene	9.59	91	1215729	48.397	ug/L	100
53) m,p-Xylene	9.71	106	463876	48.635	ug/L	98
54) o-xylene	10.12	106	456625	48.626	ug/L	99
55) Styrene	10.13	104	776366	48.673	ug/L	100
56) Isopropylbenzene	10.50	105	1180681	48.830	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	428562	45.962	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	376949	47.143	ug/L	99
61) Bromoform	10.31	173	166686	46.317	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	506118	46.968	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	511941	47.018	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	504744	46.432	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	101322	44.654	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	351302	47.821	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	334578	47.515	ug/L	99
69) Naphthalene	14.11	128	1286792	47.632	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	338790	48.887	ug/L	100

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

