

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031720\
 Data File : VU037332.D
 Acq On : 17 Mar 2020 21:03
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Mar 18 02:41:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 02:36:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	431209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	430209	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	219399	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131103	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.56%
7) Chloroethane-d5	1.93	69	116674	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.72%
11) 1,1-Dichloroethene-d2	2.59	63	260560	42.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.12%
21) 2-Butanone-d5	4.67	46	262969	99.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.57%
24) Chloroform-d	5.11	84	306376	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.74	65	214492	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.34%
32) Benzene-d6	5.76	84	547110	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.72	67	179532	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.62%
41) Toluene-d8	7.92	98	536602	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	96174	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.66	63	204574	101.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.93%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	289675	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
64) 1,2-Dichlorobenzene-d4	12.21	152	218698	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	203570	46.196	ug/L 99
3) Chloromethane	1.54	50	178079	49.412	ug/L 98
5) Vinyl chloride	1.62	62	186729	47.280	ug/L 99
6) Bromomethane	1.87	94	86002	56.728	ug/L 96
8) Chloroethane	1.95	64	109937	47.514	ug/L 99
9) Trichlorofluoromethane	2.16	101	294708	48.872	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	135502	48.114	ug/L 97
12) 1,1-Dichloroethene	2.60	96	123324	48.461	ug/L 90
13) Acetone	2.65	43	177396	70.795	ug/L 98
14) Carbon disulfide	2.82	76	326948	45.316	ug/L 98
15) Methyl Acetate	2.98	43	185362	47.032	ug/L 96
16) Methylene chloride	3.08	84	153281	48.257	ug/L 92
17) trans-1,2-Dichloroethene	3.39	96	131089	49.167	ug/L 93
18) Methyl tert-butyl Ether	3.40	73	498911	48.456	ug/L 99
19) 1,1-Dichloroethane	3.91	63	284149	47.629	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	158514	49.153	ug/L 92
22) 2-Butanone	4.75	43	280910	88.636	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	81502	50.116	ug/L	92
25) Chloroform	5.13	83	306469	47.506	ug/L	98
27) 1,2-Dichloroethane	5.83	62	268153	46.651	ug/L	97
29) Cyclohexane	5.43	56	228988	45.024	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	280689	49.155	ug/L	97
31) Carbon tetrachloride	5.56	117	247894	49.132	ug/L	100
33) Benzene	5.81	78	611884	48.254	ug/L	100
34) Trichloroethene	6.57	95	160128	48.596	ug/L	97
35) Methylcyclohexane	6.79	83	232115	46.528	ug/L	96
37) 1,2-Dichloropropane	6.82	63	168946	46.872	ug/L	100
38) Bromodichloromethane	7.13	83	241379	47.900	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	253535	45.365	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	552915	94.234	ug/L	98
42) Toluene	8.00	91	684407	49.425	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	246611	46.735	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	161151	49.102	ug/L	97
46) Tetrachloroethene	8.57	164	126122	51.520	ug/L	98
48) 2-Hexanone	8.71	43	426436	92.224	ug/L	95
49) Dibromochloromethane	8.83	129	194615	50.404	ug/L	99
50) 1,2-Dibromoethane	8.95	107	177451	50.102	ug/L	98
51) Chlorobenzene	9.47	112	428876	49.248	ug/L	99
52) Ethylbenzene	9.59	91	777690	48.502	ug/L	100
53) m,p-Xylene	9.71	106	279707	49.321	ug/L	100
54) o-xylene	10.12	106	281542	50.248	ug/L	93
55) Styrene	10.13	104	480173	50.535	ug/L	96
56) Isopropylbenzene	10.50	105	762221	48.943	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	295310	49.295	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	244579	48.813	ug/L	98
61) Bromoform	10.31	173	152746	49.846	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	337704	48.562	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	339215	48.263	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	347897	48.982	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	74452	47.546	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	238841	47.128	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	174571	44.113	ug/L	99
69) Naphthalene	14.11	128	223394	37.223	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	183327	44.145	ug/L	99

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

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