

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051019\
 Data File : VU031877.D
 Acq On : 10 May 2019 10:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: May 11 00:57:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 05:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1042767	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1037286	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	473038	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	388415	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.02%
7) Chloroethane-d5	1.67	69	320875	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.16%
11) 1,1-Dichloroethene-d2	2.27	63	743909	42.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.60%
21) 2-Butanone-d5	4.17	46	603253	76.29	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.29%
24) Chloroform-d	4.64	84	695135	43.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.98%
26) 1,2-Dichloroethane-d4	5.30	65	438142	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.92%
32) Benzene-d6	5.33	84	1392047	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.32	67	460449	41.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.18%
41) Toluene-d8	7.56	98	1262678	45.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.02%
43) trans-1,3-Dichloropropene-	7.85	79	203370	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.56%
47) 2-Hexanone-d5	8.31	63	429455	88.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	666327	44.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	452309	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	510310	44.504	ug/L	100
3) Chloromethane	1.32	50	556667	40.124	ug/L	99
5) Vinyl chloride	1.40	62	563365	43.433	ug/L	99
6) Bromomethane	1.61	94	316886	46.327	ug/L	99
8) Chloroethane	1.69	64	330233	46.576	ug/L	99
9) Trichlorofluoromethane	1.88	101	634102	42.884	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	384289	45.975	ug/L	99
12) 1,1-Dichloroethene	2.28	96	374537	46.036	ug/L	82
13) Acetone	2.32	43	693487	77.859	ug/L	97
14) Carbon disulfide	2.47	76	1192076	44.155	ug/L	100
15) Methyl Acetate	2.61	43	468697	34.777	ug/L #	90
16) Methylene chloride	2.70	84	441464	45.980	ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	386762	45.623	ug/L	90
18) Methyl tert-butyl Ether	2.99	73	1194199	44.215	ug/L	96
19) 1,1-Dichloroethane	3.44	63	771718	43.225	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	429407	47.221	ug/L	95
22) 2-Butanone	4.26	43	788547	79.910	ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	200661	45.411	ug/L	85
25) Chloroform	4.67	83	740473	43.372	ug/L	100
27) 1,2-Dichloroethane	5.40	62	600070	43.272	ug/L	99
29) Cyclohexane	4.99	56	702148	42.770	ug/L	91
30) 1,1,1-Trichloroethane	4.91	97	580395	39.935	ug/L	99
31) Carbon tetrachloride	5.13	117	492396	39.638	ug/L	99
33) Benzene	5.38	78	1722733	45.172	ug/L	100
34) Trichloroethene	6.18	95	417713	45.185	ug/L	99
35) Methylcyclohexane	6.41	83	701032	50.600	ug/L	93
37) 1,2-Dichloropropane	6.43	63	466604	43.097	ug/L	99
38) Bromodichloromethane	6.75	83	552928	42.120	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	674817	47.170	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	1255051	75.345	ug/L #	94
42) Toluene	7.63	91	1820867	47.931	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	577967	44.542	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	407637	45.671	ug/L	99
46) Tetrachloroethene	8.22	164	289206	45.889	ug/L	98
48) 2-Hexanone	8.36	43	1100290	81.671	ug/L	96
49) Dibromochloromethane	8.47	129	411204	44.278	ug/L	99
50) 1,2-Dibromoethane	8.58	107	429817	45.596	ug/L	97
51) Chlorobenzene	9.12	112	1067037	47.531	ug/L	97
52) Ethylbenzene	9.24	91	1937217	49.160	ug/L	99
53) m,p-Xylene	9.37	106	705406	51.378	ug/L	96
54) o-xylene	9.77	106	707896	52.006	ug/L	93
55) Styrene	9.79	104	1226800	52.753	ug/L	97
56) Isopropylbenzene	10.16	105	1800858	50.313	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	715686	45.187	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	557322	43.417	ug/L	99
61) Bromoform	9.95	173	288271	41.111	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	754928	48.212	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	800378	49.356	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	810961	48.731	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	161705	41.867	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	580658	49.511	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	489735	52.747	ug/L	100
69) Naphthalene	13.74	128	1704508	53.845	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	532675	50.393	ug/L	100

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

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