

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU032014.D
 Acq On : 14 May 2019 23:43
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: May 15 04:33:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 04:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1103150	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1092727	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	502786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	394829	40.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.58%
7) Chloroethane-d5	1.67	69	330152	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.24%
11) 1,1-Dichloroethene-d2	2.27	63	731378	42.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.30%
21) 2-Butanone-d5	4.17	46	657546	97.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.00%
24) Chloroform-d	4.64	84	711964	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
26) 1,2-Dichloroethane-d4	5.30	65	446632	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.52%
32) Benzene-d6	5.33	84	1470349	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
36) 1,2-Dichloropropane-d6	6.32	67	479652	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.90%
41) Toluene-d8	7.56	98	1337464	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%
43) trans-1,3-Dichloropropene-	7.85	79	213733	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.84%
47) 2-Hexanone-d5	8.31	63	450082	106.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	717066	46.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	485460	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	432564	42.591	ug/L	99
3) Chloromethane	1.32	50	493087	43.473	ug/L	100
5) Vinyl chloride	1.40	62	524410	44.135	ug/L	100
6) Bromomethane	1.61	94	204841	32.800	ug/L	97
8) Chloroethane	1.69	64	308874	43.934	ug/L	99
9) Trichlorofluoromethane	1.88	101	582156	43.290	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	353271	43.033	ug/L	98
12) 1,1-Dichloroethene	2.28	96	367988	45.168	ug/L	96
13) Acetone	2.32	43	460196	66.037	ug/L	99
14) Carbon disulfide	2.47	76	1143069	43.435	ug/L	98
15) Methyl Acetate	2.61	43	481334	45.489	ug/L #	100
16) Methylene chloride	2.70	84	443907	44.678	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	393669	46.448	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	1262843	48.490	ug/L	99
19) 1,1-Dichloroethane	3.44	63	755317	45.384	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	443482	47.306	ug/L	97
22) 2-Butanone	4.25	43	709585	88.279	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	211940	46.127	ug/L	98
25) Chloroform	4.67	83	753445	45.808	ug/L	97
27) 1,2-Dichloroethane	5.40	62	572420	44.964	ug/L	98
29) Cyclohexane	4.99	56	685936	51.211	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	594198	46.896	ug/L	99
31) Carbon tetrachloride	5.13	117	485306	45.911	ug/L	99
33) Benzene	5.38	78	1732670	48.407	ug/L	100
34) Trichloroethene	6.18	95	419079	47.278	ug/L	99
35) Methylcyclohexane	6.41	83	654392	48.144	ug/L	99
37) 1,2-Dichloropropane	6.43	63	469895	48.878	ug/L	99
38) Bromodichloromethane	6.75	83	553495	47.115	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	667927	48.935	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	1311006	100.507	ug/L	99
42) Toluene	7.63	91	1834753	49.952	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	576748	48.115	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	419992	47.644	ug/L	97
46) Tetrachloroethene	8.22	164	294190	47.007	ug/L	97
48) 2-Hexanone	8.36	43	1028670	97.165	ug/L	99
49) Dibromochloromethane	8.47	129	413257	46.736	ug/L	98
50) 1,2-Dibromoethane	8.58	107	439037	47.063	ug/L	99
51) Chlorobenzene	9.12	112	1078005	46.225	ug/L	99
52) Ethylbenzene	9.24	91	1946622	49.525	ug/L	100
53) m,p-Xylene	9.37	106	715589	49.887	ug/L	100
54) o-xylene	9.77	106	737616	52.080	ug/L	99
55) Styrene	9.79	104	1257989	51.743	ug/L	100
56) Isopropylbenzene	10.16	105	1854402	51.101	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	744454	46.787	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	587165	46.824	ug/L	99
61) Bromoform	9.95	173	296532	44.190	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	777262	47.249	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	793329	45.593	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	821217	47.109	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	155275	46.107	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	565209	47.910	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	464916	51.165	ug/L	98
69) Naphthalene	13.74	128	1698593	56.145	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	513572	51.921	ug/L	100

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

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