

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032316.D
 Acq On : 24 May 2019 17:58
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: May 24 23:38:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 23:32:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	791606	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	779203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	394265	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	196359	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.90%
7) Chloroethane-d5	1.67	69	180094	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.70%
11) 1,1-Dichloroethene-d2	2.27	63	417059	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.64%
21) 2-Butanone-d5	4.17	46	333814	84.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.56%
24) Chloroform-d	4.64	84	461161	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
26) 1,2-Dichloroethane-d4	5.30	65	272865	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.36%
32) Benzene-d6	5.33	84	930870	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.32	67	279640	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.56%
41) Toluene-d8	7.56	98	901897	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%
43) trans-1,3-Dichloropropene-	7.85	79	133496	45.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.92%
47) 2-Hexanone-d5	8.31	63	242147	91.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	448990	42.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	386090	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	290914	58.890	ug/L	98
3) Chloromethane	1.32	50	273082	44.545	ug/L	97
5) Vinyl chloride	1.40	62	297817	52.357	ug/L	99
6) Bromomethane	1.61	94	205359	44.780	ug/L	99
8) Chloroethane	1.69	64	185536	47.675	ug/L	95
9) Trichlorofluoromethane	1.88	101	406621	56.750	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	244383	58.694	ug/L	98
12) 1,1-Dichloroethene	2.28	96	247482	53.343	ug/L	92
13) Acetone	2.32	43	311236	97.816	ug/L	95
14) Carbon disulfide	2.47	76	701956	50.818	ug/L	100
15) Methyl Acetate	2.61	43	249257	40.138	ug/L	100
16) Methylene chloride	2.69	84	281438	42.514	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	259160	48.005	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	792711	42.644	ug/L	99
19) 1,1-Dichloroethane	3.44	63	448904	45.982	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	292779	45.361	ug/L	94
22) 2-Butanone	4.26	43	382383	88.218	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	156531	43.871	ug/L	95
25) Chloroform	4.67	83	486960	45.014	ug/L	99
27) 1,2-Dichloroethane	5.40	62	359836	42.571	ug/L	100
29) Cyclohexane	4.99	56	385522	63.235	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	404431	52.459	ug/L	99
31) Carbon tetrachloride	5.13	117	352676	55.895	ug/L	100
33) Benzene	5.38	78	1075079	48.277	ug/L	100
34) Trichloroethene	6.18	95	284737	51.649	ug/L	98
35) Methylcyclohexane	6.41	83	424493	63.556	ug/L	99
37) 1,2-Dichloropropane	6.43	63	266013	45.937	ug/L	100
38) Bromodichloromethane	6.75	83	360768	44.882	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	423146	49.767	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	681102	85.518	ug/L	100
42) Toluene	7.63	91	1207599	51.454	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	368045	49.003	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	285479	44.542	ug/L	97
46) Tetrachloroethene	8.22	164	233210	56.317	ug/L	97
48) 2-Hexanone	8.36	43	573078	91.674	ug/L	100
49) Dibromochloromethane	8.47	129	304100	44.850	ug/L	99
50) 1,2-Dibromoethane	8.58	107	300219	43.573	ug/L	97
51) Chlorobenzene	9.12	112	769853	48.940	ug/L	99
52) Ethylbenzene	9.24	91	1297535	54.398	ug/L	99
53) m,p-Xylene	9.37	106	514773	55.913	ug/L	100
54) o-xylene	9.77	106	517059	53.855	ug/L	98
55) Styrene	9.79	104	895602	54.361	ug/L	97
56) Isopropylbenzene	10.16	105	1300733	58.013	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	471560	43.254	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	362177	42.208	ug/L	99
61) Bromoform	9.95	173	238581	40.533	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	619193	49.317	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	636322	48.764	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	645049	47.233	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	99286	39.971	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	478332	53.744	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	388481	55.280	ug/L	99
69) Naphthalene	13.74	128	1244978	50.672	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	422079	52.164	ug/L	99

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

