

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U060719\
 Data File : VU032530.D
 Acq On : 07 Jun 2019 09:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Jun 07 22:18:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 07:01:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212622	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	203216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58080	42.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.20%
7) Chloroethane-d5	1.67	69	49772	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.27	63	125059	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
21) 2-Butanone-d5	4.17	46	122814	106.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.39%
24) Chloroform-d	4.64	84	126133	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
26) 1,2-Dichloroethane-d4	5.30	65	79676	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.33	84	245904	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
36) 1,2-Dichloropropane-d6	6.32	67	79081	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.60%
41) Toluene-d8	7.56	98	232940	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.85	79	39986	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.31	63	86973	108.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118712	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	104823	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	97988	51.120	ug/L 99
3) Chloromethane	1.32	50	86817	46.872	ug/L 98
5) Vinyl chloride	1.40	62	88624	47.899	ug/L 97
6) Bromomethane	1.62	94	50109	45.446	ug/L 99
8) Chloroethane	1.69	64	50402	45.829	ug/L 98
9) Trichlorofluoromethane	1.88	101	122208	48.915	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66658	51.301	ug/L 97
12) 1,1-Dichloroethene	2.28	96	63257	50.139	ug/L 81
13) Acetone	2.31	43	127634	107.152	ug/L 99
14) Carbon disulfide	2.47	76	188047	49.055	ug/L 99
15) Methyl Acetate	2.61	43	87326	51.348	ug/L 98
16) Methylene chloride	2.69	84	72006	50.018	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	68859	50.366	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	225491	50.203	ug/L 99
19) 1,1-Dichloroethane	3.44	63	126586	50.790	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	77011	49.772	ug/L 96
22) 2-Butanone	4.25	43	154074	109.443	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39770	49.434	ug/L	95
25) Chloroform	4.67	83	128878	50.109	ug/L	99
27) 1,2-Dichloroethane	5.40	62	103072	50.694	ug/L	100
29) Cyclohexane	4.99	56	120734	49.949	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	114642	49.834	ug/L	99
31) Carbon tetrachloride	5.13	117	103867	49.262	ug/L	99
33) Benzene	5.38	78	281454	49.294	ug/L	100
34) Trichloroethene	6.18	95	75405	48.542	ug/L	99
35) Methylcyclohexane	6.41	83	128498	51.097	ug/L	98
37) 1,2-Dichloropropane	6.43	63	74628	49.306	ug/L	100
38) Bromodichloromethane	6.75	83	96828	49.683	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	122263	51.197	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	252758	103.803	ug/L	99
42) Toluene	7.63	91	308811	49.385	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	108893	51.374	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	71613	50.034	ug/L	98
46) Tetrachloroethene	8.22	164	64798	50.506	ug/L	99
48) 2-Hexanone	8.36	43	209467	104.735	ug/L	99
49) Dibromochloromethane	8.47	129	82765	49.749	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79247	49.190	ug/L	100
51) Chlorobenzene	9.11	112	199568	49.537	ug/L	99
52) Ethylbenzene	9.24	91	347354	49.835	ug/L	100
53) m,p-Xylene	9.37	106	129988	49.045	ug/L	99
54) o-xylene	9.77	106	130949	49.762	ug/L	99
55) Styrene	9.79	104	221833	50.495	ug/L	99
56) Isopropylbenzene	10.16	105	347417	50.067	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	122546	50.095	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	99416	50.527	ug/L	100
61) Bromoform	9.95	173	64980	49.722	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	167350	50.464	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	169718	50.059	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	169569	50.576	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30077	53.319	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	137650	53.350	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	124116	56.783	ug/L	99
69) Naphthalene	13.74	128	381443	55.325	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	126032	55.403	ug/L	99

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

