

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081619\
 Data File : VU033821.D
 Acq On : 15 Aug 2019 19:42
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Aug 16 02:58:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:54:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	405590	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	400976	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	211138	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	169633	46.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.98%
7) Chloroethane-d5	1.67	69	145692	42.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.38%
11) 1,1-Dichloroethene-d2	2.26	63	295074	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
21) 2-Butanone-d5	4.15	46	202790	105.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.97%
24) Chloroform-d	4.62	84	281820	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.29	65	179561	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
32) Benzene-d6	5.32	84	560117	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
36) 1,2-Dichloropropane-d6	6.31	67	178862	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.24%
41) Toluene-d8	7.55	98	529758	51.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.06%
43) trans-1,3-Dichloropropene-	7.83	79	83887	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
47) 2-Hexanone-d5	8.29	63	148373	110.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.63%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	251998	50.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	207327	49.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	189684	47.700	ug/L 100
3) Chloromethane	1.32	50	196951	48.156	ug/L 100
5) Vinyl chloride	1.39	62	217841	47.819	ug/L 99
6) Bromomethane	1.62	94	148038	42.981	ug/L 98
8) Chloroethane	1.69	64	132788	42.077	ug/L 95
9) Trichlorofluoromethane	1.87	101	281727	46.633	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	139029	48.073	ug/L 99
12) 1,1-Dichloroethene	2.27	96	132616	47.310	ug/L 99
13) Acetone	2.31	43	146594	77.943	ug/L 99
14) Carbon disulfide	2.46	76	412993	46.723	ug/L 99
15) Methyl Acetate	2.60	43	154296	49.747	ug/L 99
16) Methylene chloride	2.68	84	155845	47.978	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	140601	48.117	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	430731	50.510	ug/L 99
19) 1,1-Dichloroethane	3.42	63	272469	48.456	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	158072	50.007	ug/L 96
22) 2-Butanone	4.24	43	208078	96.135	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	83440	48.415	ug/L	95
25) Chloroform	4.65	83	279948	47.906	ug/L	97
27) 1,2-Dichloroethane	5.38	62	220027	49.663	ug/L	100
29) Cyclohexane	4.97	56	223447	52.012	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	238005	49.305	ug/L	99
31) Carbon tetrachloride	5.11	117	210642	47.952	ug/L	100
33) Benzene	5.37	78	608088	50.203	ug/L	100
34) Trichloroethene	6.16	95	156257	48.337	ug/L	100
35) Methylcyclohexane	6.40	83	235973	49.849	ug/L	99
37) 1,2-Dichloropropane	6.41	63	163702	49.355	ug/L	100
38) Bromodichloromethane	6.74	83	208264	48.496	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	246599	51.012	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	405232	104.076	ug/L	100
42) Toluene	7.62	91	658452	51.423	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	222678	50.123	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	152526	48.993	ug/L	99
46) Tetrachloroethene	8.21	164	125382	48.379	ug/L	97
48) 2-Hexanone	8.34	43	318173	104.214	ug/L	99
49) Dibromochloromethane	8.46	129	172321	49.020	ug/L	98
50) 1,2-Dibromoethane	8.57	107	164632	49.666	ug/L	98
51) Chlorobenzene	9.10	112	415655	49.147	ug/L	99
52) Ethylbenzene	9.23	91	698343	51.474	ug/L	100
53) m,p-Xylene	9.36	106	263080	51.805	ug/L	97
54) o-xylene	9.76	106	259742	52.786	ug/L	99
55) Styrene	9.77	104	452009	53.611	ug/L	100
56) Isopropylbenzene	10.15	105	674829	52.451	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	251486	49.909	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	201023	50.036	ug/L	98
61) Bromoform	9.94	173	128716	48.949	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	326695	49.308	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	331565	48.340	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	334256	50.327	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	55486	50.245	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	247853	48.497	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	217900	52.069	ug/L	99
69) Naphthalene	13.73	128	653590	56.587	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	232131	53.445	ug/L	99

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

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