

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\
 Data File : VU032191.D
 Acq On : 21 May 2019 11:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: May 22 01:59:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 01:50:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	859976	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	861867	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	435117	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	279399	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.62%
7) Chloroethane-d5	1.67	69	241499	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.82%
11) 1,1-Dichloroethene-d2	2.27	63	516314	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.68%
21) 2-Butanone-d5	4.17	46	374799	108.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.29%
24) Chloroform-d	4.64	84	554018	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
26) 1,2-Dichloroethane-d4	5.30	65	320410	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
32) Benzene-d6	5.33	84	1140172	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
36) 1,2-Dichloropropane-d6	6.32	67	329368	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.84%
41) Toluene-d8	7.56	98	1094375	51.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.08%
43) trans-1,3-Dichloropropene-	7.85	79	164233	51.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.90%
47) 2-Hexanone-d5	8.31	63	324588	110.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	529108	50.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	450589	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	326416	46.593	ug/L 99
3) Chloromethane	1.32	50	283806	46.403	ug/L 99
5) Vinyl chloride	1.40	62	322235	46.876	ug/L 99
6) Bromomethane	1.61	94	226896	48.640	ug/L 99
8) Chloroethane	1.69	64	193130	46.653	ug/L 96
9) Trichlorofluoromethane	1.88	101	449903	46.526	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	270719	46.706	ug/L 99
12) 1,1-Dichloroethene	2.28	96	268593	46.604	ug/L 99
13) Acetone	2.32	43	331484	94.062	ug/L 98
14) Carbon disulfide	2.47	76	779823	46.279	ug/L 99
15) Methyl Acetate	2.61	43	244483	48.626	ug/L 100
16) Methylene chloride	2.69	84	306297	46.303	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	283146	47.487	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	830960	48.605	ug/L 100
19) 1,1-Dichloroethane	3.44	63	467113	46.398	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	318588	47.782	ug/L 98
22) 2-Butanone	4.26	43	401484	102.843	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	167171	46.649	ug/L	98
25) Chloroform	4.67	83	524233	47.308	ug/L	100
27) 1,2-Dichloroethane	5.40	62	379588	46.725	ug/L	98
29) Cyclohexane	4.99	56	402958	50.121	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	438424	47.664	ug/L	98
31) Carbon tetrachloride	5.13	117	385405	47.484	ug/L	96
33) Benzene	5.38	78	1169550	48.588	ug/L	100
34) Trichloroethene	6.18	95	305927	47.543	ug/L	98
35) Methylcyclohexane	6.41	83	478082	49.191	ug/L	100
37) 1,2-Dichloropropane	6.43	63	277708	47.276	ug/L	99
38) Bromodichloromethane	6.75	83	388547	47.924	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	465847	50.525	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	678148	100.981	ug/L	100
42) Toluene	7.63	91	1321657	49.725	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	401139	48.936	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	306176	48.098	ug/L	96
46) Tetrachloroethene	8.22	164	260792	49.079	ug/L	98
48) 2-Hexanone	8.36	43	576021	100.127	ug/L	100
49) Dibromochloromethane	8.47	129	328413	48.101	ug/L	100
50) 1,2-Dibromoethane	8.58	107	330363	49.197	ug/L	99
51) Chlorobenzene	9.12	112	847995	47.342	ug/L	98
52) Ethylbenzene	9.24	91	1427949	49.832	ug/L	100
53) m,p-Xylene	9.37	106	567452	50.278	ug/L	94
54) o-xylene	9.77	106	555365	49.865	ug/L	94
55) Styrene	9.79	104	974948	51.272	ug/L	99
56) Isopropylbenzene	10.16	105	1429004	49.949	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	505116	47.375	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	390094	48.002	ug/L	100
61) Bromoform	9.95	173	252777	45.671	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	675653	47.594	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	689763	46.225	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	693267	46.694	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	108871	47.438	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	528657	48.695	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	436997	51.631	ug/L	98
69) Naphthalene	13.74	128	1404150	54.668	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	472981	49.729	ug/L	98

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

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