

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037617.D
 Acq On : 09 Apr 2020 14:58
 Operator : JC/MD
 Sample : L2189-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS80

Quant Time: Apr 10 03:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 03:10:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	1750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	1720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	2041	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	516	33.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.46%
7) Chloroethane-d5	1.93	69	311	25.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	50.30%#
11) 1,1-Dichloroethene-d2	2.36	63	154	6.18	ug/L	-0.23
Spiked Amount	50.000	Range	60 - 125	Recovery	=	12.36%#
21) 2-Butanone-d5	4.68	46	391	31.54	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	31.54%#
24) Chloroform-d	5.36	84	130474	5675.18	ug/L	0.25
Spiked Amount	50.000	Range	70 - 125	Recovery	=	11350.36%#
26) 1,2-Dichloroethane-d4	5.74	65	1200	76.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	153.66%#
32) Benzene-d6	5.76	84	674	13.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	26.64%#
36) 1,2-Dichloropropane-d6	6.72	67	138	8.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	16.38%#
41) Toluene-d8	7.92	98	1715	36.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.10%#
43) trans-1,3-Dichloropropene-	8.21	79	506	55.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.14%
47) 2-Hexanone-d5	8.65	63	317	32.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	32.87%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	513	21.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	43.12%#
64) 1,2-Dichlorobenzene-d4	11.83	152	1788	42.10	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	334	24.364	ug/L # 43
3) Chloromethane	1.54	50	1017	63.433	ug/L 98
5) Vinyl chloride	1.62	62	27590	1644.419	ug/L 87
6) Bromomethane	1.88	94	217	24.575	ug/L 86
8) Chloroethane	1.95	64	20409	2049.023	ug/L 97
9) Trichlorofluoromethane	2.16	101	64	3.532	ug/L 92
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	514	46.594	ug/L # 40
12) 1,1-Dichloroethene	2.61	96	137564	12296.602	ug/L # 75
13) Acetone	2.66	43	3351	457.759	ug/L 86
14) Carbon disulfide	2.82	76	2526	65.913	ug/L # 94
15) Methyl Acetate	2.98	43	351	20.163	ug/L # 53
16) Methylene chloride	3.09	84	575	44.990	ug/L # 49
17) trans-1,2-Dichloroethene	3.39	96	3790	315.793	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	314	7.579	ug/L # 1
19) 1,1-Dichloroethane	3.91	63	3158426	134236.058	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	32988	2499.818	ug/L 98
22) 2-Butanone	4.75	43	7009	547.025	ug/L 81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Chloroform	5.12	83	614	27.734	ug/L	78
27) 1,2-Dichloroethane	5.83	62	4452	243.128	ug/L	96
29) Cyclohexane	5.42	56	185	7.822	ug/L #	1
30) 1,1,1-Trichloroethane	5.36	97	8385568	430124.338	ug/L	99
31) Carbon tetrachloride	5.57	117	270	17.060	ug/L	97
33) Benzene	5.81	78	33721	644.225	ug/L	100
34) Trichloroethene	6.57	95	3164	245.551	ug/L	84
35) Methylcyclohexane	6.79	83	1642	71.819	ug/L	88
37) 1,2-Dichloropropane	6.82	63	261	18.147	ug/L #	87
38) Bromodichloromethane	7.13	83	101	5.704	ug/L #	25
39) cis-1,3-Dichloropropene	7.64	75	194	8.241	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	1617	63.303	ug/L #	89
42) Toluene	7.99	91	10668	191.859	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	374	16.390	ug/L #	1
45) 1,1,2-Trichloroethane	8.42	97	2851	222.160	ug/L	96
46) Tetrachloroethene	8.57	164	1391	145.091	ug/L	91
48) 2-Hexanone	8.70	43	973	48.241	ug/L #	3
49) Dibromochloromethane	8.57	129	1246	90.543	ug/L #	10
50) 1,2-Dibromoethane	8.95	107	64	4.609	ug/L #	5
51) Chlorobenzene	9.47	112	52664	1516.613	ug/L	98
52) Ethylbenzene	9.59	91	4761	76.370	ug/L	89
53) m,p-Xylene	9.71	106	2661	112.415	ug/L	92
54) o-xylene	10.12	106	3248	138.349	ug/L	93
55) Styrene	10.13	104	827	20.317	ug/L #	44
56) Isopropylbenzene	10.50	105	7280	119.094	ug/L #	91
58) 1,1,2,2-Tetrachloroethane	10.80	83	2501	109.142	ug/L	93
59) 1,2,3-Trichloropropane	10.36	75	1092	55.888	ug/L	99
61) Bromoform	10.31	173	44	1.701	ug/L #	36
62) 1,3-Dichlorobenzene	11.76	146	1786	27.186	ug/L #	71
63) 1,4-Dichlorobenzene	11.85	146	4841	73.444	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	17097	264.069	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1342	27.938	ug/L #	86
68) 1,2,4-trichlorobenzene	13.87	180	1771	38.225	ug/L #	90
69) Naphthalene	14.11	128	12090	70.722	ug/L	97
70) 1,2,3-Trichlorobenzene	14.36	180	1731	37.498	ug/L #	61

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

