

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037618.D
 Acq On : 09 Apr 2020 15:21
 Operator : JC/MD
 Sample : L2189-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS81

Quant Time: Apr 10 03:13:41 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	1460	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	1071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	1326	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	560	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.91	69	96	9.31	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	18.62%#
11) 1,1-Dichloroethene-d2	2.60	63	569	27.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.72%#
21) 2-Butanone-d5	4.69	46	511	49.41	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	49.41%
24) Chloroform-d	5.10	84	52	2.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	5.42%#
26) 1,2-Dichloroethane-d4	5.74	65	1265	97.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	194.16%#
32) Benzene-d6	5.76	84	427	13.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	27.10%#
36) 1,2-Dichloropropane-d6	6.74	67	77	7.34	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	14.68%#
41) Toluene-d8	7.92	98	1615	55.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.56%
43) trans-1,3-Dichloropropene-	8.20	79	136	23.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.98%#
47) 2-Hexanone-d5	8.72	63	64	10.66	ug/L	0.07
Spiked Amount	100.000	Range	45 - 130	Recovery	=	10.66%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	436	29.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	58.86%#
64) 1,2-Dichlorobenzene-d4	12.21	152	877	31.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.56%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	347	30.340	ug/L # 43
3) Chloromethane	1.53	50	419	31.325	ug/L 100
5) Vinyl chloride	1.62	62	2228	159.170	ug/L # 1
6) Bromomethane	1.86	94	195	26.469	ug/L 95
8) Chloroethane	1.95	64	2581	310.598	ug/L 84
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	87	9.453	ug/L # 1
12) 1,1-Dichloroethene	2.61	96	819	87.750	ug/L # 70
13) Acetone	2.66	43	511	83.670	ug/L 91
14) Carbon disulfide	2.82	76	2371	74.157	ug/L # 83
15) Methyl Acetate	2.98	43	59	4.062	ug/L # 53
16) Methylene chloride	3.07	84	182	17.069	ug/L # 55
17) trans-1,2-Dichloroethene	3.39	96	120	11.985	ug/L # 64
19) 1,1-Dichloroethane	3.92	63	8788	447.686	ug/L 94
20) cis-1,2-Dichloroethene	4.70	96	98	8.902	ug/L # 36
22) 2-Butanone	4.74	43	20	1.871	ug/L # 49
25) Chloroform	5.12	83	84	4.548	ug/L # 18
29) Cyclohexane	5.42	56	460	31.233	ug/L # 75

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

30) 1,1,1-Trichloroethane	5.35	97	6763	557.109	ug/L	92
31) Carbon tetrachloride	5.36	117	770	78.136	ug/L	88
33) Benzene	5.81	78	251	7.701	ug/L	100
34) Trichloroethene	6.58	95	233	29.040	ug/L #	64
35) Methylcyclohexane	6.79	83	558	39.196	ug/L #	46
38) Bromodichloromethane	7.14	83	157	14.241	ug/L #	25
39) cis-1,3-Dichloropropene	7.64	75	210	14.326	ug/L #	1
40) 4-Methyl-2-pentanone	7.83	43	963	60.546	ug/L #	70
42) Toluene	7.99	91	392	11.322	ug/L	91
44) trans-1,3-Dichloropropene	8.24	75	410	28.855	ug/L #	1
45) 1,1,2-Trichloroethane	8.45	97	117	14.642	ug/L #	15
46) Tetrachloroethene	8.57	164	98	16.416	ug/L #	81
48) 2-Hexanone	8.72	43	2198	175.013	ug/L #	85
49) Dibromochloromethane	8.57	129	257	29.992	ug/L #	10
51) Chlorobenzene	9.47	112	1072	49.579	ug/L	89
52) Ethylbenzene	9.59	91	929	23.932	ug/L	92
53) m,p-Xylene	9.71	106	393	26.663	ug/L	74
54) o-xylene	10.12	106	114	7.798	ug/L	65
55) Styrene	10.13	104	673	26.552	ug/L	97
56) Isopropylbenzene	10.49	105	715	18.785	ug/L #	83
58) 1,1,2,2-Tetrachloroethane	10.80	83	166	11.634	ug/L #	61
59) 1,2,3-Trichloropropane	10.84	75	207	17.014	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	950	22.258	ug/L	90
63) 1,4-Dichlorobenzene	11.84	146	1196	27.929	ug/L	90
65) 1,2-Dichlorobenzene	12.22	146	451	10.722	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.87	180	1238	39.669	ug/L	90
68) 1,2,4-trichlorobenzene	13.87	180	1238	41.129	ug/L	89
69) Naphthalene	14.11	128	7187	64.711	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	1141	38.045	ug/L #	89

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

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