

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037619.D
 Acq On : 09 Apr 2020 15:44
 Operator : JC/MD
 Sample : L2189-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS82

Quant Time: Apr 10 03:14:05 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	6.29	114	1569	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	858	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	1257	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	508	37.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.08%
7) Chloroethane-d5	2.23	69	137	12.36	ug/L	0.30
Spiked Amount	50.000	Range	70 - 130	Recovery	=	24.72%#
11) 1,1-Dichloroethene-d2	2.59	63	222	9.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	19.86%#
21) 2-Butanone-d5	4.68	46	43	3.87	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	3.87%#
24) Chloroform-d	5.35	84	41	1.99	ug/L	0.24
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.98%#
26) 1,2-Dichloroethane-d4	5.73	65	588	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.98%
32) Benzene-d6	5.76	84	378	14.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	29.94%#
36) 1,2-Dichloropropane-d6	6.73	67	124	14.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	29.52%#
41) Toluene-d8	7.93	98	1633	69.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	139.54%#
43) trans-1,3-Dichloropropene-	8.20	79	181	39.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.70%
47) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.00%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	296	24.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	49.88%#
64) 1,2-Dichlorobenzene-d4	12.20	152	812	31.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.08%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	245	19.934	ug/L #	43
3) Chloromethane	1.53	50	1060	73.742	ug/L	87
5) Vinyl chloride	1.62	62	135	8.974	ug/L #	1
6) Bromomethane	1.87	94	69	8.715	ug/L	76
8) Chloroethane	1.98	64	151	16.909	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	75	7.583	ug/L #	1
12) 1,1-Dichloroethene	2.60	96	324	32.303	ug/L #	84
13) Acetone	2.66	43	2117	322.551	ug/L	87
14) Carbon disulfide	2.82	76	1911	55.618	ug/L #	83
15) Methyl Acetate	2.97	43	87	5.574	ug/L #	53
16) Methylene chloride	3.07	84	73	6.371	ug/L #	1
17) trans-1,2-Dichloroethene	3.39	96	331	30.761	ug/L #	46
19) 1,1-Dichloroethane	3.91	63	594	28.158	ug/L #	59
20) cis-1,2-Dichloroethene	4.71	96	101	8.537	ug/L	77
22) 2-Butanone	4.75	43	93	8.096	ug/L #	49
25) Chloroform	5.13	83	95	4.786	ug/L	76
29) Cyclohexane	5.43	56	310	26.274	ug/L #	48

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037619.D
 Acq On : 09 Apr 2020 15:44
 Operator : JC/MD
 Sample : L2189-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS82

Quant Time: Apr 10 03:14:05 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)

30) 1,1,1-Trichloroethane	5.36	97	2437	250.587	ug/L	95
31) Carbon tetrachloride	5.41	117	48	6.080	ug/L #	2
33) Benzene	5.80	78	170	6.511	ug/L	100
34) Trichloroethene	6.57	95	195	30.338	ug/L #	57
35) Methylcyclohexane	6.79	83	351	30.776	ug/L #	68
38) Bromodichloromethane	7.14	83	66	7.473	ug/L #	78
39) cis-1,3-Dichloropropene	7.63	75	161	13.710	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	536	42.065	ug/L #	83
42) Toluene	7.99	91	423	15.250	ug/L	85
44) trans-1,3-Dichloropropene	8.24	75	173	15.198	ug/L #	1
45) 1,1,2-Trichloroethane	8.41	97	42	6.561	ug/L #	15
46) Tetrachloroethene	8.57	164	75	15.683	ug/L #	84
48) 2-Hexanone	8.71	43	1773	176.219	ug/L #	70
49) Dibromochloromethane	8.58	129	103	15.004	ug/L #	10
51) Chlorobenzene	9.47	112	601	34.696	ug/L	95
52) Ethylbenzene	9.59	91	709	22.799	ug/L	99
53) m,p-Xylene	9.71	106	262	22.188	ug/L #	54
54) o-xylene	10.12	106	45	3.843	ug/L	97
55) Styrene	10.13	104	512	25.215	ug/L #	31
56) Isopropylbenzene	10.50	105	452	14.823	ug/L #	57
58) 1,1,2,2-Tetrachloroethane	10.80	83	63	5.511	ug/L #	60
59) 1,2,3-Trichloropropane	10.84	75	95	9.747	ug/L #	3
62) 1,3-Dichlorobenzene	11.76	146	917	22.664	ug/L	81
63) 1,4-Dichlorobenzene	11.84	146	514	12.662	ug/L	86
65) 1,2-Dichlorobenzene	12.22	146	568	14.245	ug/L #	78
67) 1,3,5-Trichlorobenzene	13.24	180	570	19.267	ug/L #	64
68) 1,2,4-trichlorobenzene	13.86	180	965	33.819	ug/L	84
69) Naphthalene	14.11	128	5944	56.457	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	948	33.345	ug/L	86

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

