

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036688.D
 Acq On : 06 Feb 2020 16:06
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Quant Time: Feb 07 04:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:51:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	257468	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	241984	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	103753	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82421	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.00%
7) Chloroethane-d5	1.93	69	77170	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.94%
11) 1,1-Dichloroethene-d2	2.59	63	118863	36.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.34%
21) 2-Butanone-d5	4.68	46	159644	108.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.98%
24) Chloroform-d	5.11	84	147912	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	106581	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
32) Benzene-d6	5.77	84	322175	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
36) 1,2-Dichloropropane-d6	6.73	67	107577	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.88%
41) Toluene-d8	7.93	98	289089	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%
43) trans-1,3-Dichloropropene-	8.21	79	48974	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
47) 2-Hexanone-d5	8.67	63	125275	103.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.94%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	153627	49.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.72%
66) 1,2-Dichlorobenzene-d4	12.21	152	99276	52.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4643	2.610 ug/L	97
3) Chloromethane	1.54	50	5409	2.566 ug/L	100
5) Vinyl chloride	1.62	62	6041	2.662 ug/L #	60
6) Bromomethane	1.87	94	3524	2.476 ug/L	94
8) Chloroethane	1.95	64	4498	3.122 ug/L	86
9) Trichlorofluoromethane	2.16	101	6541	2.425 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5041	3.120 ug/L #	85
12) 1,1-Dichloroethene	2.60	96	4849	3.083 ug/L #	1
13) Acetone	2.66	43	9890	6.355 ug/L	97
14) Carbon disulfide	2.82	76	12180	2.592 ug/L	99
15) Methyl Acetate	2.99	43	6238	2.773 ug/L	99
16) Methylene chloride	3.08	84	5178	2.667 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	4470	2.671 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	13967	2.405 ug/L	99
19) 1,1-Dichloroethane	3.92	63	8469	2.540 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	4630	2.428 ug/L	86
22) 2-Butanone	4.76	43	9942	5.383 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	2217	2.481	ug/L	90
25) Chloroform	5.14	83	9040	2.788	ug/L	87
27) 1,2-Dichloroethane	5.84	62	6912	2.535	ug/L	99
29) Cyclohexane	5.43	56	7779	2.503	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	6572	2.557	ug/L	96
31) Carbon tetrachloride	5.57	117	5427	2.607	ug/L	98
33) Benzene	5.82	78	18956	2.590	ug/L	100
34) Trichloroethene	6.58	95	5152	2.847	ug/L	92
35) Methylcyclohexane	6.80	83	7771	2.438	ug/L	96
37) 1,2-Dichloropropane	6.83	63	4998	2.532	ug/L #	91
38) Bromodichloromethane	7.14	83	5637	2.350	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	7280	2.309	ug/L	95
40) 4-Methyl-2-pentanone	7.83	43	15730	5.044	ug/L	98
42) Toluene	8.00	91	20601	2.605	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	6364	2.310	ug/L	87
45) 1,1,2-Trichloroethane	8.43	97	4483	2.490	ug/L	96
46) Tetrachloroethene	8.58	164	3735	2.941	ug/L	94
48) 2-Hexanone	8.72	43	15300	6.015	ug/L	89
49) Dibromochloromethane	8.84	129	4169	2.367	ug/L	97
50) 1,2-Dibromoethane	8.96	107	4654	2.460	ug/L #	97
51) Chlorobenzene	9.47	112	11903	2.499	ug/L	98
52) Ethylbenzene	9.60	91	21201	2.440	ug/L	96
53) m,p-Xylene	9.72	106	7547	2.354	ug/L	95
54) o-xylene	10.13	106	7752	2.441	ug/L	96
55) Styrene	10.14	104	11978	2.263	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.81	83	8287	2.554	ug/L #	96
59) Bromoform	10.32	173	2783	2.428	ug/L #	94
60) 1,2,3-Trichloropropane	10.85	75	6564	2.690	ug/L	100
61) Isopropylbenzene	10.51	105	19256	2.492	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	16413	2.478	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	15924	2.408	ug/L	96
64) 1,3-Dichlorobenzene	11.77	146	8563	2.636	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	9021	2.758	ug/L	95
67) 1,2-Dichlorobenzene	12.23	146	9022	2.743	ug/L	97
68) 1,2-Dibromo-3-chloropropan	13.01	75	1824	2.615	ug/L	90
69) 1,3,5-Trichlorobenzene	13.24	180	5409	2.401	ug/L	97
70) 1,2,4-trichlorobenzene	13.85	180	4048	2.155	ug/L	99
71) Naphthalene	14.10	128	11991	1.811	ug/L	97
72) 1,2,3-Trichlorobenzene	14.35	180	3817	2.039	ug/L	98

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

