

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033784.D
 Acq On : 13 Aug 2019 16:23
 Operator : JC/SP
 Sample : MDL03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Aug 14 04:26:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:23:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	426086	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	415597	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	202347	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	185692	45.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.76%
7) Chloroethane-d5	1.67	69	155770	41.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.66%
11) 1,1-Dichloroethene-d2	2.26	63	246298	37.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.54%
21) 2-Butanone-d5	4.15	46	232997	103.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.49%
24) Chloroform-d	4.62	84	297473	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
26) 1,2-Dichloroethane-d4	5.29	65	194711	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
32) Benzene-d6	5.32	84	602386	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.18%
36) 1,2-Dichloropropane-d6	6.31	67	194792	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.26%
41) Toluene-d8	7.55	98	545383	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%
43) trans-1,3-Dichloropropene-	7.83	79	89796	48.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.80%
47) 2-Hexanone-d5	8.29	63	163385	106.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.12%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	269866	49.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.28%
66) 1,2-Dichlorobenzene-d4	11.84	152	213765	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10011	2.357 ug/L	99
3) Chloromethane	1.32	50	11946	2.709 ug/L	93
5) Vinyl chloride	1.39	62	12178	2.550 ug/L #	63
6) Bromomethane	1.62	94	8153	2.326 ug/L	95
8) Chloroethane	1.69	64	7532	2.207 ug/L	87
9) Trichlorofluoromethane	1.87	101	15518	2.529 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	9383	3.124 ug/L	87
12) 1,1-Dichloroethene	2.27	96	9190	3.110 ug/L #	1
13) Acetone	2.31	43	11291	5.506 ug/L	99
14) Carbon disulfide	2.46	76	24328	2.601 ug/L	95
15) Methyl Acetate	2.61	43	8747	2.552 ug/L	100
16) Methylene chloride	2.68	84	9315	2.761 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	8105	2.636 ug/L	95
18) Methyl tert-butyl Ether	2.98	73	22060	2.413 ug/L	97
19) 1,1-Dichloroethane	3.42	63	15306	2.591 ug/L	96
20) cis-1,2-Dichloroethene	4.21	96	8742	2.589 ug/L	98
22) 2-Butanone	4.25	43	11138	4.471 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	4364	2.494	ug/L	94
25) Chloroform	4.65	83	18553	3.021	ug/L	93
27) 1,2-Dichloroethane	5.38	62	13716	2.875	ug/L	99
29) Cyclohexane	4.97	56	10998	2.408	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	13496	2.648	ug/L	98
31) Carbon tetrachloride	5.11	117	11579	2.558	ug/L	98
33) Benzene	5.37	78	33109	2.604	ug/L	100
34) Trichloroethene	6.17	95	8542	2.536	ug/L	93
35) Methylcyclohexane	6.40	83	10899	2.220	ug/L	94
37) 1,2-Dichloropropane	6.41	63	9395	2.712	ug/L #	98
38) Bromodichloromethane	6.74	83	11404	2.551	ug/L	95
39) cis-1,3-Dichloropropene	7.25	75	13260	2.593	ug/L	95
40) 4-Methyl-2-pentanone	7.44	43	20562	4.770	ug/L	98
42) Toluene	7.62	91	35207	2.622	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	11417	2.451	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	8205	2.509	ug/L	97
46) Tetrachloroethene	8.21	164	7126	2.697	ug/L	94
48) 2-Hexanone	8.35	43	19832	6.010	ug/L	90
49) Dibromochloromethane	8.46	129	9003	2.466	ug/L	89
50) 1,2-Dibromoethane	8.57	107	9335	2.721	ug/L #	97
51) Chlorobenzene	9.10	112	22662	2.593	ug/L	95
52) Ethylbenzene	9.23	91	34292	2.427	ug/L	98
53) m,p-Xylene	9.36	106	12300	2.329	ug/L	97
54) o-xylene	9.76	106	11207	2.157	ug/L	88
55) Styrene	9.78	104	18516	2.099	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	15663	2.864	ug/L #	94
59) Bromoform	9.94	173	7037	2.722	ug/L #	94
60) 1,2,3-Trichloropropane	10.48	75	11546	2.836	ug/L	98
61) Isopropylbenzene	10.15	105	28088	2.242	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	22577	2.232	ug/L	96
63) 1,2,4-Trimethylbenzene	11.13	105	21366	2.129	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	16572	2.637	ug/L	93
65) 1,4-Dichlorobenzene	11.49	146	17559	2.726	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	18027	2.823	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.65	75	2652	2.336	ug/L	92
69) 1,3,5-Trichlorobenzene	12.87	180	11280	2.376	ug/L	96
70) 1,2,4-trichlorobenzene	13.50	180	6866	1.744	ug/L #	81
71) Naphthalene	13.74	128	19756	1.686	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.98	180	9231	2.237	ug/L	92

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

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