

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026165.D
 Acq On : 15 Aug 2018 23:14
 Operator : MD/SY
 Sample : MDL03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:28 PM

Quant Time: Aug 16 05:03:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 04:40:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	273952	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	258440	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	109340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64466	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.16%
7) Chloroethane-d5	1.68	69	57422	43.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.86%
11) 1,1-Dichloroethene-d2	2.27	63	103779	32.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.70%
21) 2-Butanone-d5	4.18	46	127139	103.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.01%
24) Chloroform-d	4.65	84	160975	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.36%
26) 1,2-Dichloroethane-d4	5.31	65	112009	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.35	84	313112	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
36) 1,2-Dichloropropane-d6	6.33	67	103637	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.57	98	281508	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%
43) trans-1,3-Dichloropropene-	7.85	79	44936	43.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.66%
47) 2-Hexanone-d5	8.31	63	89673	99.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	141749	45.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	109329	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	4268	1.97	ug/L	99
3) Chloromethane	1.33	50	4336	2.20	ug/L	100
5) Vinyl chloride	1.40	62	4051	2.05	ug/L #	66
6) Bromomethane	1.62	94	2252	2.22	ug/L	98
8) Chloroethane	1.70	64	2661	2.25	ug/L	93
9) Trichlorofluoromethane	1.89	101	5740	1.97	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3998	2.53	ug/L #	75
12) 1,1-Dichloroethene	2.28	96	3959	2.73	ug/L #	1
13) Acetone	2.32	43	4929	4.36	ug/L	90
14) Carbon disulfide	2.48	76	10327	2.06	ug/L	99
15) Methyl Acetate	2.62	43	4611	2.35	ug/L	97
16) Methylene chloride	2.70	84	4072	2.10	ug/L	93
17) trans-1,2-Dichloroethene	2.99	96	3792	2.21	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	10751	1.97	ug/L	99
19) 1,1-Dichloroethane	3.45	63	6775	2.05	ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	3920m	2.04	ug/L	
22) 2-Butanone	4.27	43	5687m	4.04	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2064	1.98	ug/L	89
25) Chloroform	4.68	83	9456	2.72	ug/L	90
27) 1,2-Dichloroethane	5.41	62	6153	2.19	ug/L	99
29) Cyclohexane	5.00	56	4530	1.75	ug/L #	85
30) 1,1,1-Trichloroethane	4.92	97	5904	1.91	ug/L	92
31) Carbon tetrachloride	5.14	117	5453	1.95	ug/L	95
33) Benzene	5.39	78	14268	2.04	ug/L	100
34) Trichloroethene	6.19	95	3790	2.08	ug/L	92
35) Methylcyclohexane	6.42	83	4468	1.63	ug/L	92
37) 1,2-Dichloropropane	6.44	63	4143	2.12	ug/L #	90
38) Bromodichloromethane	6.76	83	5259	2.03	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	5291	1.82	ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	9916	4.09	ug/L	95
42) Toluene	7.64	91	14955	2.01	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	5657m	2.02	ug/L	
45) 1,1,2-Trichloroethane	8.07	97	3869	2.09	ug/L	94
46) Tetrachloroethene	8.23	164	3173	2.02	ug/L	87
48) 2-Hexanone	8.36	43	8792	4.63	ug/L	98
49) Dibromochloromethane	8.48	129	4415	1.98	ug/L	93
50) 1,2-Dibromoethane	8.60	107	3733	1.94	ug/L #	86
51) Chlorobenzene	9.12	112	10135	2.00	ug/L	98
52) Ethylbenzene	9.25	91	14165	1.75	ug/L	90
53) m,p-Xylene	9.38	106	5347	1.71	ug/L	97
54) o-xylene	9.79	106	4974	1.60	ug/L	100
55) Styrene	9.79	104	7899	1.52	ug/L	98
56) Isopropylbenzene	10.17	105	11575	1.45	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	6937	2.24	ug/L #	92
59) 1,2,3-Trichloropropane	10.50	75	4967	2.06	ug/L	97
61) Bromoform	9.96	173	3050	2.13	ug/L #	95
62) 1,3-Dichlorobenzene	11.42	146	6372	1.94	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	6924	2.05	ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	7146	2.04	ug/L #	83
66) 1,2-Dibromo-3-chloropropan	12.66	75	1006	1.81	ug/L	96
67) 1,3,5-Trichlorobenzene	12.90	180	3901	1.61	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	2363	1.29	ug/L	94
69) Naphthalene	13.76	128	7050m	1.35	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2725m	1.39	ug/L	

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

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