

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026169.D
 Acq On : 16 Aug 2018 00:51
 Operator : MD/SY
 Sample : MDL07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:32 PM

Quant Time: Aug 16 05:09:46 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	278436	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	262876	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	110020	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65106	39.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.64%
7) Chloroethane-d5	1.68	69	56122	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.52%
11) 1,1-Dichloroethene-d2	2.27	63	105909	32.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.98%
21) 2-Butanone-d5	4.18	46	125539	100.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.07%
24) Chloroform-d	4.65	84	162047	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.31	65	110942	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.58%
32) Benzene-d6	5.35	84	313335	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.33	67	102492	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.00%
41) Toluene-d8	7.57	98	283369	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.85	79	45667	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.58%
47) 2-Hexanone-d5	8.31	63	89704	98.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	144659	46.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	112708	49.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4209	1.91 ug/L	# 88
3) Chloromethane	1.33	50	5025	2.50 ug/L	93
5) Vinyl chloride	1.40	62	4380	2.19 ug/L	# 74
6) Bromomethane	1.62	94	2145	2.08 ug/L	98
8) Chloroethane	1.70	64	2533	2.11 ug/L	89
9) Trichlorofluoromethane	1.88	101	6487	2.19 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4155	2.59 ug/L	# 81
12) 1,1-Dichloroethene	2.28	96	3822	2.60 ug/L	# 1
13) Acetone	2.32	43	4997	4.35 ug/L	96
14) Carbon disulfide	2.48	76	11196	2.19 ug/L	99
15) Methyl Acetate	2.62	43	4962	2.49 ug/L	92
16) Methylene chloride	2.70	84	4350	2.21 ug/L	95
17) trans-1,2-Dichloroethene	2.99	96	3562	2.04 ug/L	92
18) Methyl tert-butyl Ether	3.00	73	10966	1.98 ug/L	# 87
19) 1,1-Dichloroethane	3.45	63	7143	2.13 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	4187m	2.14 ug/L	
22) 2-Butanone	4.27	43	5529m	3.87 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.56	128	1988	1.88	ug/L	90
25) Chloroform	4.67	83	9157	2.60	ug/L	97
27) 1,2-Dichloroethane	5.41	62	6161	2.16	ug/L	99
29) Cyclohexane	5.00	56	5329	2.03	ug/L	96
30) 1,1,1-Trichloroethane	4.92	97	7582	2.41	ug/L	90
31) Carbon tetrachloride	5.14	117	6103	2.14	ug/L	92
33) Benzene	5.39	78	16088	2.26	ug/L	100
34) Trichloroethene	6.19	95	4013	2.16	ug/L	85
35) Methylcyclohexane	6.43	83	5197	1.87	ug/L	98
37) 1,2-Dichloropropane	6.43	63	4262	2.14	ug/L #	90
38) Bromodichloromethane	6.76	83	5734	2.18	ug/L #	83
39) cis-1,3-Dichloropropene	7.27	75	5805	1.97	ug/L	89
40) 4-Methyl-2-pentanone	7.47	43	10631	4.31	ug/L	92
42) Toluene	7.64	91	16088	2.13	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	5352	1.88	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	4034	2.14	ug/L	95
46) Tetrachloroethene	8.23	164	3467	2.17	ug/L	91
48) 2-Hexanone	8.37	43	9499	4.92	ug/L #	98
49) Dibromochloromethane	8.48	129	4595	2.02	ug/L	98
50) 1,2-Dibromoethane	8.59	107	4399	2.25	ug/L #	97
51) Chlorobenzene	9.12	112	10213	1.98	ug/L	95
52) Ethylbenzene	9.26	91	14894	1.81	ug/L	91
53) m,p-Xylene	9.38	106	5731	1.81	ug/L	87
54) o-xylene	9.78	106	4969	1.57	ug/L	96
55) Styrene	9.80	104	7959	1.51	ug/L	92
56) Isopropylbenzene	10.17	105	12957	1.59	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7240	2.30	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	5297	2.16	ug/L	100
61) Bromoform	9.96	173	3385	2.35	ug/L #	96
62) 1,3-Dichlorobenzene	11.42	146	7154	2.17	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	7318	2.15	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	7930	2.25	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	1259	2.25	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.90	180	4548	1.87	ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	2314	1.25	ug/L	93
69) Naphthalene	13.75	128	7172m	1.37	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2587	1.31	ug/L	97

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

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