

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026158.D
 Acq On : 15 Aug 2018 19:59
 Operator : MD/SY
 Sample : MDL03
 Misc : 5.00uL/5mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Aug 16 04:52:32 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	288315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	115982	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68372	40.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.78%
7) Chloroethane-d5	1.67	69	60449	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.27	63	109137	32.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.66%
21) 2-Butanone-d5	4.18	46	131463	101.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.20%
24) Chloroform-d	4.65	84	169637	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
26) 1,2-Dichloroethane-d4	5.31	65	113669	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
32) Benzene-d6	5.34	84	324289	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
36) 1,2-Dichloropropane-d6	6.33	67	106693	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.12%
41) Toluene-d8	7.57	98	295543	44.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.85	79	49199	45.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.70%
47) 2-Hexanone-d5	8.31	63	93189	99.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	150250	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	114685	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4188	1.83 ug/L #	86
3) Chloromethane	1.33	50	4697	2.26 ug/L	92
5) Vinyl chloride	1.40	62	4208	2.03 ug/L #	54
6) Bromomethane	1.62	94	2283	2.13 ug/L	87
8) Chloroethane	1.70	64	2780	2.24 ug/L	93
9) Trichlorofluoromethane	1.88	101	5627	1.84 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3852	2.32 ug/L #	85
12) 1,1-Dichloroethene	2.28	96	3782	2.48 ug/L #	1
13) Acetone	2.33	43	3923	3.30 ug/L	93
14) Carbon disulfide	2.47	76	10366	1.96 ug/L	99
15) Methyl Acetate	2.62	43	4573	2.22 ug/L	93
16) Methylene chloride	2.70	84	4421	2.17 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	3527	1.95 ug/L	84
18) Methyl tert-butyl Ether	3.00	73	10562	1.84 ug/L	98
19) 1,1-Dichloroethane	3.45	63	6555	1.88 ug/L	92
20) cis-1,2-Dichloroethene	4.23	96	3915	1.93 ug/L	90
22) 2-Butanone	4.28	43	6074	4.10 ug/L #	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2100	1.92	µg/L	80
25) Chloroform	4.68	83	8748	2.39	µg/L	100
27) 1,2-Dichloroethane	5.41	62	6006	2.03	µg/L	99
29) Cyclohexane	5.00	56	4606	1.71	µg/L #	92
30) 1,1,1-Trichloroethane	4.92	97	6414m	1.99	µg/L	
31) Carbon tetrachloride	5.14	117	5582	1.91	µg/L	100
33) Benzene	5.39	78	15476	2.11	µg/L	100
34) Trichloroethene	6.19	95	3509	1.84	µg/L	95
35) Methylcyclohexane	6.42	83	5286	1.85	µg/L #	92
37) 1,2-Dichloropropane	6.44	63	4430	2.17	µg/L #	87
38) Bromodichloromethane	6.76	83	5147	1.90	µg/L	92
39) cis-1,3-Dichloropropene	7.27	75	5303	1.75	µg/L	99
40) 4-Methyl-2-pentanone	7.46	43	9220	3.64	µg/L	92
42) Toluene	7.64	91	14178	1.82	µg/L	96
44) trans-1,3-Dichloropropene	7.88	75	5895	2.02	µg/L	97
45) 1,1,2-Trichloroethane	8.07	97	3878	2.00	µg/L	95
46) Tetrachloroethene	8.23	164	3302	2.01	µg/L	89
48) 2-Hexanone	8.37	43	8130	4.09	µg/L #	92
49) Dibromochloromethane	8.48	129	4449	1.91	µg/L	91
50) 1,2-Dibromoethane	8.59	107	4075	2.02	µg/L #	81
51) Chlorobenzene	9.12	112	10186	1.92	µg/L	98
52) Ethylbenzene	9.25	91	14530	1.72	µg/L	95
53) m,p-Xylene	9.38	106	5629	1.72	µg/L	97
54) o-xylene	9.78	106	4675	1.44	µg/L	89
55) Styrene	9.80	104	7189	1.33	µg/L	96
56) Isopropylbenzene	10.17	105	12629	1.51	µg/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7008	2.16	µg/L #	98
59) 1,2,3-Trichloropropane	10.50	75	5097	2.02	µg/L	99
61) Bromoform	9.96	173	3108	2.05	µg/L #	93
62) 1,3-Dichlorobenzene	11.42	146	5881	1.69	µg/L	97
63) 1,4-Dichlorobenzene	11.51	146	6883	1.92	µg/L	98
65) 1,2-Dichlorobenzene	11.88	146	7892	2.12	µg/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	1134	1.93	µg/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	4087m	1.59	µg/L	
68) 1,2,4-trichlorobenzene	13.51	180	2790m	1.43	µg/L	
69) Naphthalene	13.76	128	7307m	1.32	µg/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2860	1.37	µg/L #	85

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

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