

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026160.D
 Acq On : 15 Aug 2018 20:47
 Operator : MD/SY
 Sample : MDL05
 Misc : 5.00u/5mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:22 PM

Quant Time: Aug 16 04:55:21 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	286013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	268618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	115482	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70344	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.78%
7) Chloroethane-d5	1.68	69	60163	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.16%
11) 1,1-Dichloroethene-d2	2.27	63	109639	33.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.48%
21) 2-Butanone-d5	4.18	46	136294	105.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.77%
24) Chloroform-d	4.65	84	168510	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	116077	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
32) Benzene-d6	5.35	84	325038	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
36) 1,2-Dichloropropane-d6	6.33	67	109513	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.20%
41) Toluene-d8	7.57	98	299327	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%
43) trans-1,3-Dichloropropene-	7.85	79	49648	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.12%
47) 2-Hexanone-d5	8.31	63	96468	103.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	149696	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	114572	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	4749	2.10	ug/L	99
3) Chloromethane	1.33	50	5254	2.55	ug/L	100
5) Vinyl chloride	1.40	62	4127	2.00	ug/L #	65
6) Bromomethane	1.62	94	2329	2.20	ug/L	81
8) Chloroethane	1.70	64	2910	2.36	ug/L	93
9) Trichlorofluoromethane	1.89	101	5867	1.93	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3881	2.36	ug/L	87
12) 1,1-Dichloroethene	2.28	96	3918	2.59	ug/L #	1
13) Acetone	2.32	43	4850	4.11	ug/L	97
14) Carbon disulfide	2.48	76	10762	2.05	ug/L	99
15) Methyl Acetate	2.62	43	5259	2.57	ug/L	94
16) Methylene chloride	2.71	84	4924	2.43	ug/L	88
17) trans-1,2-Dichloroethene	2.99	96	3717	2.07	ug/L	83
18) Methyl tert-butyl Ether	3.00	73	11219	1.97	ug/L	97
19) 1,1-Dichloroethane	3.45	63	6776	1.96	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	4240	2.11	ug/L	88
22) 2-Butanone	4.27	43	6632m	4.51	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2405	2.21	ug/L	91
25) Chloroform	4.68	83	9724	2.68	ug/L	97
27) 1,2-Dichloroethane	5.41	62	6617	2.26	ug/L #	92
29) Cyclohexane	4.99	56	5092m	1.90	ug/L	
30) 1,1,1-Trichloroethane	4.92	97	6871	2.14	ug/L	96
31) Carbon tetrachloride	5.14	117	6208	2.14	ug/L	96
33) Benzene	5.39	78	15096	2.08	ug/L	100
34) Trichloroethene	6.19	95	4364	2.30	ug/L	86
35) Methylcyclohexane	6.42	83	5230	1.84	ug/L	96
37) 1,2-Dichloropropane	6.44	63	4541	2.24	ug/L #	94
38) Bromodichloromethane	6.76	83	5484	2.04	ug/L	90
39) cis-1,3-Dichloropropene	7.27	75	6169	2.05	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	10581	4.20	ug/L	93
42) Toluene	7.64	91	16374	2.12	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	6083	2.09	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	4119	2.14	ug/L	95
46) Tetrachloroethene	8.23	164	3468	2.12	ug/L	95
48) 2-Hexanone	8.36	43	9842	4.98	ug/L #	97
49) Dibromochloromethane	8.48	129	4955	2.14	ug/L	98
50) 1,2-Dibromoethane	8.59	107	4398	2.20	ug/L #	93
51) Chlorobenzene	9.12	112	11217	2.12	ug/L	98
52) Ethylbenzene	9.25	91	15625	1.86	ug/L	91
53) m,p-Xylene	9.38	106	5403	1.67	ug/L	89
54) o-xylene	9.78	106	5538	1.71	ug/L	93
55) Styrene	9.80	104	8542	1.59	ug/L	90
56) Isopropylbenzene	10.17	105	13310	1.60	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7510	2.33	ug/L #	92
59) 1,2,3-Trichloropropane	10.50	75	5497	2.20	ug/L	99
61) Bromoform	9.96	173	3495	2.31	ug/L #	90
62) 1,3-Dichlorobenzene	11.42	146	6876	1.99	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	7699	2.16	ug/L	94
65) 1,2-Dichlorobenzene	11.89	146	8267	2.24	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.66	75	1385	2.36	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.89	180	4639	1.82	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	2501	1.29	ug/L #	79
69) Naphthalene	13.76	128	7689m	1.40	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	3331m	1.60	ug/L	

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

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