

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026156.D
 Acq On : 15 Aug 2018 19:10
 Operator : MD/SY
 Sample : MDL01
 Misc : 5.00uL/5mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

apatel
 8/16/2018 5:15:52 PM

Quant Time: Aug 16 10:34:40 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	284112	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	264128	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	112794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69017	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.74%
7) Chloroethane-d5	1.67	69	59306	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.50%
11) 1,1-Dichloroethene-d2	2.27	63	108770	33.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.40%
21) 2-Butanone-d5	4.18	46	130979	102.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.32%
24) Chloroform-d	4.65	84	166094	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.90%
26) 1,2-Dichloroethane-d4	5.31	65	114468	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.34	84	322900	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	6.33	67	105441	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	294512	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%
43) trans-1,3-Dichloropropene-	7.85	79	48666	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.31	63	93188	101.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.60%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	147062	46.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	114539	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4413	1.96 ug/L	94
3) Chloromethane	1.33	50	4891	2.39 ug/L	96
5) Vinyl chloride	1.40	62	4630	2.26 ug/L #	71
6) Bromomethane	1.62	94	2515	2.39 ug/L	93
8) Chloroethane	1.69	64	2659	2.17 ug/L #	79
9) Trichlorofluoromethane	1.88	101	6111	2.02 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4394	2.69 ug/L #	78
12) 1,1-Dichloroethene	2.28	96	3959	2.64 ug/L #	1
13) Acetone	2.33	43	5262	4.49 ug/L	93
14) Carbon disulfide	2.48	76	11187	2.15 ug/L #	89
15) Methyl Acetate	2.62	43	5238	2.58 ug/L #	83
16) Methylene chloride	2.70	84	5284	2.63 ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	3720	2.09 ug/L	93
18) Methyl tert-butyl Ether	3.00	73	11212	1.98 ug/L	97
19) 1,1-Dichloroethane	3.45	63	7352	2.14 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	4515	2.26 ug/L	75
22) 2-Butanone	4.27	43	5601	3.84 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2255	2.09	ug/L #	81
25) Chloroform	4.68	83	9465	2.63	ug/L	100
27) 1,2-Dichloroethane	5.41	62	6757	2.32	ug/L	96
29) Cyclohexane	5.00	56	5357	2.03	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	7102	2.25	ug/L	99
31) Carbon tetrachloride	5.14	117	5881	2.06	ug/L	98
33) Benzene	5.39	78	15884	2.22	ug/L	100
34) Trichloroethene	6.19	95	4092	2.20	ug/L	91
35) Methylcyclohexane	6.42	83	5129	1.83	ug/L	100
37) 1,2-Dichloropropane	6.44	63	4593	2.30	ug/L #	87
38) Bromodichloromethane	6.76	83	5781	2.19	ug/L	92
39) cis-1,3-Dichloropropene	7.27	75	6054	2.04	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	10535	4.25	ug/L	95
42) Toluene	7.64	91	16670	2.19	ug/L	92
44) trans-1,3-Dichloropropene	7.89	75	5839m	2.04	ug/L	
45) 1,1,2-Trichloroethane	8.07	97	4011	2.12	ug/L	97
46) Tetrachloroethene	8.23	164	3443	2.14	ug/L	92
48) 2-Hexanone	8.36	43	9530	4.91	ug/L #	97
49) Dibromochloromethane	8.48	129	4781	2.10	ug/L	94
50) 1,2-Dibromoethane	8.59	107	4247	2.16	ug/L #	93
51) Chlorobenzene	9.12	112	10926	2.10	ug/L	99
52) Ethylbenzene	9.25	91	15375	1.86	ug/L	95
53) m,p-Xylene	9.38	106	5606	1.76	ug/L	96
54) o-xylene	9.78	106	5941	1.87	ug/L	85
55) Styrene	9.80	104	8683	1.64	ug/L	94
56) Isopropylbenzene	10.17	105	14177	1.74	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7571	2.39	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	5657	2.30	ug/L	98
61) Bromoform	9.96	173	3330	2.26	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	6732	1.99	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	7288	2.09	ug/L	86
65) 1,2-Dichlorobenzene	11.88	146	8336	2.31	ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.66	75	1179	2.06	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.89	180	4475m	1.79	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	2730m	1.44	ug/L	
69) Naphthalene	13.75	128	6947	1.29	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.99	180	2749	1.36	ug/L #	75

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

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