

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026162.D
 Acq On : 15 Aug 2018 21:36
 Operator : MD/SY
 Sample : MDL07
 Misc : 5.00uL/5mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:24 PM

Quant Time: Aug 16 04:58:18 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	285627	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	113122	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71670	42.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.46%
7) Chloroethane-d5	1.67	69	61714	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.27	63	112206	34.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.14%
21) 2-Butanone-d5	4.18	46	137821	107.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	4.65	84	171951	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
26) 1,2-Dichloroethane-d4	5.31	65	115763	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
32) Benzene-d6	5.35	84	333347	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
36) 1,2-Dichloropropane-d6	6.33	67	108387	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.90%
41) Toluene-d8	7.57	98	302126	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	7.85	79	49560	45.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.64%
47) 2-Hexanone-d5	8.31	63	97870	104.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.57%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	154423	48.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	118568	50.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.74%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	4239	1.87	ug/L	90
3) Chloromethane	1.33	50	4778	2.32	ug/L	99
5) Vinyl chloride	1.40	62	3848	1.87	ug/L #	52
6) Bromomethane	1.62	94	2250	2.12	ug/L	90
8) Chloroethane	1.70	64	2535	2.06	ug/L	96
9) Trichlorofluoromethane	1.88	101	5564	1.83	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3864	2.35	ug/L #	80
12) 1,1-Dichloroethene	2.28	96	3926	2.60	ug/L #	1
13) Acetone	2.32	43	4979	4.23	ug/L	94
14) Carbon disulfide	2.48	76	10335	1.97	ug/L	97
15) Methyl Acetate	2.62	43	4928	2.41	ug/L	93
16) Methylene chloride	2.70	84	4199	2.08	ug/L	94
17) trans-1,2-Dichloroethene	2.99	96	3332	1.86	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	10179	1.79	ug/L	98
19) 1,1-Dichloroethane	3.45	63	6847	1.99	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	3821	1.90	ug/L	96
22) 2-Butanone	4.28	43	5041	3.44	ug/L	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	2032m	1.87	µg/L	
25) Chloroform	4.68	83	8618	2.38	µg/L	99
27) 1,2-Dichloroethane	5.41	62	6047	2.07	µg/L	100
29) Cyclohexane	5.00	56	4456	1.65	µg/L #	86
30) 1,1,1-Trichloroethane	4.92	97	6562	2.04	µg/L #	76
31) Carbon tetrachloride	5.14	117	5940	2.04	µg/L	89
33) Benzene	5.39	78	13298	1.82	µg/L	100
34) Trichloroethene	6.19	95	3725	1.96	µg/L	88
35) Methylcyclohexane	6.42	83	4741	1.66	µg/L	99
37) 1,2-Dichloropropane	6.44	63	3941	1.93	µg/L	99
38) Bromodichloromethane	6.76	83	5490	2.03	µg/L	96
39) cis-1,3-Dichloropropene	7.27	75	5486	1.81	µg/L	100
40) 4-Methyl-2-pentanone	7.46	43	10103	4.00	µg/L #	92
42) Toluene	7.64	91	14813	1.91	µg/L	97
44) trans-1,3-Dichloropropene	7.88	75	5210	1.79	µg/L	93
45) 1,1,2-Trichloroethane	8.07	97	4080	2.11	µg/L	95
46) Tetrachloroethene	8.23	164	3191	1.95	µg/L	94
48) 2-Hexanone	8.36	43	9551	4.82	µg/L	94
49) Dibromochloromethane	8.48	129	4090	1.76	µg/L	91
50) 1,2-Dibromoethane	8.59	107	3833	1.91	µg/L #	99
51) Chlorobenzene	9.12	112	9838	1.86	µg/L	90
52) Ethylbenzene	9.26	91	14205	1.68	µg/L	99
53) m,p-Xylene	9.37	106	4802	1.48	µg/L	98
54) o-xylene	9.78	106	5460	1.68	µg/L	94
55) Styrene	9.80	104	7288	1.35	µg/L	96
56) Isopropylbenzene	10.17	105	12059	1.45	µg/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	6906	2.14	µg/L #	98
59) 1,2,3-Trichloropropane	10.50	75	5201	2.07	µg/L	92
61) Bromoform	9.96	173	2816	1.90	µg/L #	92
62) 1,3-Dichlorobenzene	11.42	146	5932	1.75	µg/L	90
63) 1,4-Dichlorobenzene	11.51	146	7012	2.01	µg/L	93
65) 1,2-Dichlorobenzene	11.88	146	7520	2.08	µg/L #	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	1184	2.06	µg/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	3996	1.60	µg/L	95
68) 1,2,4-trichlorobenzene	13.51	180	2303m	1.21	µg/L	
69) Naphthalene	13.76	128	6942m	1.29	µg/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2640m	1.30	µg/L	

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

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