

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026161.D
 Acq On : 15 Aug 2018 21:12
 Operator : MD/SY
 Sample : MDL06
 Misc : 5.00µ/5mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:23 PM

Quant Time: Aug 16 04:56:45 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	280886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	265052	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	111884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69402	42.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.16%
7) Chloroethane-d5	1.67	69	59262	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.42%
11) 1,1-Dichloroethene-d2	2.27	63	110420	34.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.18%
21) 2-Butanone-d5	4.18	46	130468	103.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.09%
24) Chloroform-d	4.65	84	169206	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	114877	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
32) Benzene-d6	5.35	84	325825	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.33	67	108225	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.34%
41) Toluene-d8	7.57	98	293126	44.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.62%
43) trans-1,3-Dichloropropene-	7.85	79	49335	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	95450	103.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.70%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	148836	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	114132	49.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4313	1.94 ug/L	89
3) Chloromethane	1.33	50	4793	2.37 ug/L	98
5) Vinyl chloride	1.40	62	4381	2.17 ug/L #	72
6) Bromomethane	1.62	94	2226	2.14 ug/L	89
8) Chloroethane	1.69	64	2496	2.06 ug/L	98
9) Trichlorofluoromethane	1.89	101	5609	1.88 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3903	2.41 ug/L #	74
12) 1,1-Dichloroethene	2.28	96	3885	2.62 ug/L #	1
13) Acetone	2.32	43	4560	3.94 ug/L	97
14) Carbon disulfide	2.48	76	9936	1.93 ug/L	98
15) Methyl Acetate	2.62	43	5130	2.55 ug/L #	84
16) Methylene chloride	2.70	84	4365	2.20 ug/L	86
17) trans-1,2-Dichloroethene	2.99	96	3490	1.98 ug/L	79
18) Methyl tert-butyl Ether	3.00	73	10832	1.94 ug/L #	93
19) 1,1-Dichloroethane	3.45	63	6875	2.03 ug/L	98
20) cis-1,2-Dichloroethene	4.24	96	4001	2.03 ug/L	93
22) 2-Butanone	4.28	43	6009m	4.16 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2113m	1.98	uq/L	
25) Chloroform	4.68	83	9014	2.53	uq/L	100
27) 1,2-Dichloroethane	5.41	62	5898	2.05	uq/L	96
29) Cyclohexane	5.00	56	4441	1.68	uq/L #	86
30) 1,1,1-Trichloroethane	4.92	97	6587	2.08	uq/L #	84
31) Carbon tetrachloride	5.14	117	5400	1.88	uq/L	96
33) Benzene	5.39	78	15194	2.12	uq/L	100
34) Trichloroethene	6.19	95	3784	2.02	uq/L	78
35) Methylcyclohexane	6.42	83	4968	1.77	uq/L	99
37) 1,2-Dichloropropane	6.44	63	3972	1.98	uq/L #	94
38) Bromodichloromethane	6.76	83	5224	1.97	uq/L #	96
39) cis-1,3-Dichloropropene	7.27	75	6125	2.06	uq/L	97
40) 4-Methyl-2-pentanone	7.46	43	9368	3.77	uq/L #	73
42) Toluene	7.64	91	15800	2.07	uq/L	92
44) trans-1,3-Dichloropropene	7.89	75	5413	1.89	uq/L	95
45) 1,1,2-Trichloroethane	8.07	97	3679	1.94	uq/L	94
46) Tetrachloroethene	8.23	164	3095	1.92	uq/L	87
48) 2-Hexanone	8.37	43	9065	4.65	uq/L #	94
49) Dibromochloromethane	8.48	129	4180	1.83	uq/L	97
50) 1,2-Dibromoethane	8.59	107	3555	1.80	uq/L #	91
51) Chlorobenzene	9.12	112	9998	1.92	uq/L #	87
52) Ethylbenzene	9.25	91	14367	1.73	uq/L	95
53) m,p-Xylene	9.38	106	4817	1.51	uq/L	78
54) o-xylene	9.78	106	5257	1.65	uq/L	91
55) Styrene	9.80	104	8242	1.55	uq/L	95
56) Isopropylbenzene	10.17	105	12578	1.53	uq/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	6764	2.13	uq/L #	92
59) 1,2,3-Trichloropropane	10.50	75	4812	1.95	uq/L	97
61) Bromoform	9.96	173	3035	2.07	uq/L	96
62) 1,3-Dichlorobenzene	11.42	146	6107	1.82	uq/L	90
63) 1,4-Dichlorobenzene	11.51	146	6633	1.92	uq/L	92
65) 1,2-Dichlorobenzene	11.88	146	7490	2.09	uq/L #	90
66) 1,2-Dibromo-3-chloropropan	12.66	75	1166	2.05	uq/L #	75
67) 1,3,5-Trichlorobenzene	12.89	180	3623	1.46	uq/L	89
68) 1,2,4-trichlorobenzene	13.51	180	2379m	1.27	uq/L	
69) Naphthalene	13.75	128	7246m	1.36	uq/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2832	1.41	uq/L #	96

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

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