

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026159.D
 Acq On : 15 Aug 2018 20:23
 Operator : MD/SY
 Sample : MDL04
 Misc : 5.00uL/5mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:21 PM

Quant Time: Aug 16 04:53:54 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	286966	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	114119	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70311	41.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.46%
7) Chloroethane-d5	1.68	69	60643	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.56%
11) 1,1-Dichloroethene-d2	2.27	63	111164	33.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.20%
21) 2-Butanone-d5	4.18	46	131854	101.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	4.65	84	170393	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
26) 1,2-Dichloroethane-d4	5.31	65	116190	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
32) Benzene-d6	5.35	84	329947	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.33	67	108799	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.22%
41) Toluene-d8	7.57	98	298495	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%
43) trans-1,3-Dichloropropene-	7.85	79	49255	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
47) 2-Hexanone-d5	8.31	63	94604	101.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	151221	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	116169	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4620	2.03 ug/L	92
3) Chloromethane	1.33	50	4795	2.32 ug/L	83
5) Vinyl chloride	1.40	62	4452	2.16 ug/L #	58
6) Bromomethane	1.62	94	2419	2.27 ug/L	94
8) Chloroethane	1.70	64	3021	2.44 ug/L	96
9) Trichlorofluoromethane	1.89	101	6101	2.00 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3761	2.28 ug/L #	87
12) 1,1-Dichloroethene	2.28	96	4093	2.70 ug/L #	1
13) Acetone	2.32	43	5113	4.32 ug/L	98
14) Carbon disulfide	2.48	76	10869	2.07 ug/L	100
15) Methyl Acetate	2.62	43	5334	2.60 ug/L	91
16) Methylene chloride	2.70	84	4536	2.23 ug/L	91
17) trans-1,2-Dichloroethene	2.99	96	3874	2.15 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	11853	2.08 ug/L #	68
19) 1,1-Dichloroethane	3.45	63	7400	2.14 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	4300	2.13 ug/L	90
22) 2-Butanone	4.27	43	6593	4.47 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	2266	2.08	ug/L	96
25) Chloroform	4.68	83	9647	2.65	ug/L	92
27) 1,2-Dichloroethane	5.41	62	6708	2.28	ug/L	98
29) Cyclohexane	5.00	56	5055	1.88	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	6893	2.14	ug/L	99
31) Carbon tetrachloride	5.14	117	6405	2.19	ug/L #	52
33) Benzene	5.39	78	16565	2.27	ug/L	100
34) Trichloroethene	6.19	95	3997	2.10	ug/L	86
35) Methylcyclohexane	6.42	83	4958	1.74	ug/L	90
37) 1,2-Dichloropropane	6.44	63	4561	2.24	ug/L	98
38) Bromodichloromethane	6.76	83	5903	2.19	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	5876	1.94	ug/L	90
40) 4-Methyl-2-pentanone	7.46	43	10790	4.27	ug/L	94
42) Toluene	7.64	91	16369	2.11	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	5774	1.98	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	4258	2.20	ug/L	92
46) Tetrachloroethene	8.23	164	3290	2.01	ug/L	90
48) 2-Hexanone	8.37	43	9663	4.88	ug/L #	94
49) Dibromochloromethane	8.48	129	4991	2.14	ug/L	89
50) 1,2-Dibromoethane	8.59	107	4567	2.28	ug/L #	100
51) Chlorobenzene	9.12	112	10826	2.04	ug/L	98
52) Ethylbenzene	9.25	91	16153	1.91	ug/L	97
53) m,p-Xylene	9.38	106	5633	1.73	ug/L	98
54) o-xylene	9.78	106	5734	1.77	ug/L	92
55) Styrene	9.80	104	8872	1.64	ug/L	99
56) Isopropylbenzene	10.17	105	13373	1.60	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7611	2.36	ug/L #	90
59) 1,2,3-Trichloropropane	10.50	75	5013	2.00	ug/L	96
61) Bromoform	9.96	173	3359	2.25	ug/L #	92
62) 1,3-Dichlorobenzene	11.42	146	7000	2.05	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	7345	2.08	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	8767	2.40	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	1600	2.76	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.89	180	4560	1.81	ug/L #	97
68) 1,2,4-trichlorobenzene	13.51	180	2345	1.23	ug/L	93
69) Naphthalene	13.76	128	8066m	1.48	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2960	1.44	ug/L	95

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

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