

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080119\
 Data File : VU033539.D
 Acq On : 01 Aug 2019 10:31
 Operator : JC/SP
 Sample : MDL02
 Misc : 5.00u/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 8:29:11 AM

Quant Time: Aug 02 02:09:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 01:49:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	295570	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	291975	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143005	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	103463	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.28%
7) Chloroethane-d5	1.67	69	94119	51.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.10%
11) 1,1-Dichloroethene-d2	2.26	63	144416	37.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.06%
21) 2-Butanone-d5	4.14	46	171677	120.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.62%
24) Chloroform-d	4.62	84	194876	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.28	65	128729	56.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.86%
32) Benzene-d6	5.32	84	394188	54.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.92%
36) 1,2-Dichloropropane-d6	6.31	67	127942	56.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.78%
41) Toluene-d8	7.55	98	356697	52.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.18%
43) trans-1,3-Dichloropropene-	7.83	79	58518	51.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.98%
47) 2-Hexanone-d5	8.29	63	125044	116.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.08%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	195238	55.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	141963	54.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	7759	2.784 ug/L	93
3) Chloromethane	1.32	50	8387	2.987 ug/L	98
5) Vinyl chloride	1.40	62	8603	2.858 ug/L #	77
6) Bromomethane	1.62	94	5925	2.231 ug/L	95
8) Chloroethane	1.69	64	5668	3.099 ug/L	97
9) Trichlorofluoromethane	1.87	101	11564	2.937 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7046	3.530 ug/L #	74
12) 1,1-Dichloroethene	2.27	96	6622	3.460 ug/L #	1
13) Acetone	2.31	43	9636	6.617 ug/L	99
14) Carbon disulfide	2.46	76	17623	2.935 ug/L	98
15) Methyl Acetate	2.60	43	7042	3.038 ug/L	90
16) Methylene chloride	2.68	84	6791	3.106 ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	5694	2.839 ug/L	89
18) Methyl tert-butyl Ether	2.98	73	16126	2.637 ug/L #	89
19) 1,1-Dichloroethane	3.42	63	11290	2.999 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	6599	2.932 ug/L	91
22) 2-Butanone	4.25	43	9227	5.308 ug/L	77

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

23) Bromochloromethane	4.53	128	3645	3.104	ug/L	94
25) Chloroform	4.65	83	15515	3.917	ug/L	98
27) 1,2-Dichloroethane	5.38	62	9425	3.090	ug/L #	94
29) Cyclohexane	4.97	56	7667	2.407	ug/L #	62
30) 1,1,1-Trichloroethane	4.89	97	9451	2.813	ug/L	98
31) Carbon tetrachloride	5.11	117	8454	2.890	ug/L	97
33) Benzene	5.37	78	24128	2.865	ug/L	100
34) Trichloroethene	6.17	95	7044	3.170	ug/L	92
35) Methylcyclohexane	6.40	83	8894	2.565	ug/L #	84
37) 1,2-Dichloropropane	6.41	63	6649	2.949	ug/L #	92
38) Bromodichloromethane	6.74	83	8864	3.041	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	9732	2.766	ug/L	92
40) 4-Methyl-2-pentanone	7.45	43	16751	5.381	ug/L #	95
42) Toluene	7.62	91	26052	2.876	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	8620m	2.711	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	6671	3.117	ug/L	92
46) Tetrachloroethene	8.21	164	5263	2.901	ug/L	95
48) 2-Hexanone	8.35	43	16718	6.644	ug/L	93
49) Dibromochloromethane	8.46	129	6663	2.736	ug/L	91
50) 1,2-Dibromoethane	8.57	107	7164	3.022	ug/L #	95
51) Chlorobenzene	9.10	112	17171	2.896	ug/L	96
52) Ethylbenzene	9.23	91	25062	2.570	ug/L	99
53) m,p-Xylene	9.36	106	9634	2.573	ug/L	89
54) o-xylene	9.76	106	9013	2.482	ug/L	97
55) Styrene	9.78	104	13142	2.130	ug/L	94
56) Isopropylbenzene	10.15	105	21712	2.288	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	11372	2.946	ug/L #	91
59) 1,2,3-Trichloropropane	10.48	75	8627	2.899	ug/L	95
61) Bromoform	9.94	173	4904	2.839	ug/L	95
62) 1,3-Dichlorobenzene	11.40	146	12059	2.746	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	13214	2.896	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	14204	3.199	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	2248	2.740	ug/L #	73
67) 1,3,5-Trichlorobenzene	12.88	180	8798	2.483	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	6276m	2.073	ug/L	
69) Naphthalene	13.74	128	14524m	1.672	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	7089m	2.226	ug/L	

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

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