

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080119\
 Data File : VU033540.D
 Acq On : 01 Aug 2019 10:54
 Operator : JC/SP
 Sample : MDL03
 Misc : 5.00u/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 8:29:17 AM

Quant Time: Aug 02 02:11:19 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	5.87	114	299533	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140530	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102834	47.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.44%
7) Chloroethane-d5	1.67	69	103200	55.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.46%
11) 1,1-Dichloroethene-d2	2.26	63	146564	37.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.16%
21) 2-Butanone-d5	4.16	46	176230	122.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.18%
24) Chloroform-d	4.62	84	193826	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.29	65	127097	54.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.96%
32) Benzene-d6	5.32	84	391258	53.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.36%
36) 1,2-Dichloropropane-d6	6.31	67	126942	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.12%
41) Toluene-d8	7.55	98	349490	51.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.34%
43) trans-1,3-Dichloropropene-	7.83	79	58675	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.54%
47) 2-Hexanone-d5	8.30	63	128413	118.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193982	55.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	143677	55.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	6212	2.199 ug/L	93
3) Chloromethane	1.32	50	7445	2.617 ug/L	99
5) Vinyl chloride	1.39	62	8092	2.653 ug/L #	72
6) Bromomethane	1.62	94	4634	1.722 ug/L	89
8) Chloroethane	1.69	64	4876	2.631 ug/L	98
9) Trichlorofluoromethane	1.87	101	9708	2.433 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5651	2.794 ug/L	90
12) 1,1-Dichloroethene	2.27	96	5727	2.952 ug/L #	1
13) Acetone	2.33	43	8551	5.794 ug/L	98
14) Carbon disulfide	2.46	76	14615	2.402 ug/L	97
15) Methyl Acetate	2.61	43	5547	2.361 ug/L	99
16) Methylene chloride	2.68	84	6004	2.710 ug/L	87
17) trans-1,2-Dichloroethene	2.96	96	4854	2.389 ug/L	95
18) Methyl tert-butyl Ether	2.98	73	14185	2.289 ug/L	97
19) 1,1-Dichloroethane	3.42	63	9842	2.580 ug/L #	96
20) cis-1,2-Dichloroethene	4.20	96	5318	2.331 ug/L	97
22) 2-Butanone	4.27	43	8846m	5.021 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	3006	2.526	ug/L	87
25) Chloroform	4.65	83	14018	3.492	ug/L	99
27) 1,2-Dichloroethane	5.39	62	7544	2.441	ug/L	97
29) Cyclohexane	4.97	56	6746	2.104	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	8625	2.550	ug/L	98
31) Carbon tetrachloride	5.12	117	7167	2.433	ug/L	100
33) Benzene	5.37	78	20227	2.385	ug/L	100
34) Trichloroethene	6.17	95	5872	2.625	ug/L	92
35) Methylcyclohexane	6.40	83	7549	2.162	ug/L	94
37) 1,2-Dichloropropane	6.41	63	5966	2.628	ug/L #	95
38) Bromodichloromethane	6.74	83	7228	2.463	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	8209	2.317	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	14672	4.681	ug/L	97
42) Toluene	7.62	91	23073	2.530	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	7624	2.381	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	5146	2.388	ug/L	97
46) Tetrachloroethene	8.21	164	4441	2.431	ug/L	96
48) 2-Hexanone	8.35	43	14224	5.614	ug/L	96
49) Dibromochloromethane	8.46	129	6087	2.482	ug/L	90
50) 1,2-Dibromoethane	8.57	107	5985	2.507	ug/L	99
51) Chlorobenzene	9.10	112	14732	2.467	ug/L	98
52) Ethylbenzene	9.23	91	21959	2.236	ug/L	100
53) m,p-Xylene	9.36	106	8309	2.204	ug/L	91
54) o-xylene	9.76	106	7493	2.049	ug/L	98
55) Styrene	9.78	104	11973	1.928	ug/L	97
56) Isopropylbenzene	10.15	105	18744	1.961	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	10528	2.708	ug/L #	97
59) 1,2,3-Trichloropropane	10.48	75	7881	2.630	ug/L	98
61) Bromoform	9.95	173	4496	2.649	ug/L #	91
62) 1,3-Dichlorobenzene	11.40	146	10447	2.421	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	11764	2.624	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	11673	2.675	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	1904	2.362	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	7431	2.134	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	5263	1.769	ug/L #	89
69) Naphthalene	13.74	128	14040m	1.645	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	6377	2.038	ug/L #	91

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

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