

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013503.D
 Acq On : 06 Nov 2019 17:34
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:58 AM

Quant Time: Nov 07 03:17:34 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	860501	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	829487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385986	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	242993	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.44%
7) Chloroethane-d5	1.58	69	206183	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.54%
11) 1,1-Dichloroethene-d2	2.13	63	337881	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.68%
21) 2-Butanone-d5	3.92	46	428056	114.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.89%
24) Chloroform-d	4.40	84	536770	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
26) 1,2-Dichloroethane-d4	5.08	65	367377	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
32) Benzene-d6	5.10	84	1126558	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
36) 1,2-Dichloropropane-d6	6.11	67	366698	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.20%
41) Toluene-d8	7.36	98	1018953	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%
43) trans-1,3-Dichloropropene-	7.66	79	161925	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
47) 2-Hexanone-d5	8.13	63	261388	100.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	442751	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	416121	54.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16783	2.343 ug/L	98
3) Chloromethane	1.25	50	14499	2.131 ug/L	98
5) Vinyl chloride	1.32	62	15945	2.508 ug/L #	61
6) Bromomethane	1.53	94	7569	2.482 ug/L	97
8) Chloroethane	1.60	64	8954	2.514 ug/L	95
9) Trichlorofluoromethane	1.77	101	20393	2.417 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14559	3.064 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	13364m	2.946 ug/L	
13) Acetone	2.19	43	14695	4.226 ug/L	91
14) Carbon disulfide	2.32	76	38228	2.408 ug/L	98
15) Methyl Acetate	2.46	43	14287	2.252 ug/L	94
16) Methylene chloride	2.53	84	16095	2.622 ug/L	94
17) trans-1,2-Dichloroethene	2.80	96	13327	2.359 ug/L	91
18) Methyl tert-butyl Ether	2.80	73	38096	2.212 ug/L	97
19) 1,1-Dichloroethane	3.23	63	25285	2.348 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	14056m	2.279 ug/L	
22) 2-Butanone	4.04	43	17432m	3.785 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	7974m	2.446	ug/L	
25) Chloroform	4.42	83	49669	4.482	ug/L	93
27) 1,2-Dichloroethane	5.18	62	19246	2.266	ug/L	99
29) Cyclohexane	4.72	56	21514	2.258	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	21485	2.327	ug/L	99
31) Carbon tetrachloride	4.87	117	18615m	2.261	ug/L	
33) Benzene	5.15	78	55135	2.341	ug/L	100
34) Trichloroethene	5.96	95	15226	2.433	ug/L	96
35) Methylcyclohexane	6.18	83	20825	2.158	ug/L	98
37) 1,2-Dichloropropane	6.22	63	13355	2.154	ug/L #	90
38) Bromodichloromethane	6.56	83	18609	2.282	ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	21994m	2.336	ug/L	
40) 4-Methyl-2-pentanone	7.27	43	33939	4.247	ug/L	99
42) Toluene	7.43	91	57787	2.354	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	18881	2.304	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	12814	2.207	ug/L	92
46) Tetrachloroethene	8.02	164	13089	2.450	ug/L	92
48) 2-Hexanone	8.18	43	47503	7.527	ug/L	94
49) Dibromochloromethane	8.29	129	14999	2.247	ug/L	92
50) 1,2-Dibromoethane	8.40	107	15011m	2.464	ug/L	
51) Chlorobenzene	8.92	112	38518	2.361	ug/L	90
52) Ethylbenzene	9.05	91	56119	2.107	ug/L	99
53) m,p-Xylene	9.18	106	19507	1.930	ug/L	95
54) o-xylene	9.59	106	18072	1.864	ug/L	98
55) Styrene	9.60	104	30863	1.842	ug/L	91
56) Isopropylbenzene	9.97	105	46510	1.827	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	22475	2.564	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	15997	2.192	ug/L	93
61) Bromoform	9.77	173	10426	2.304	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	27720	2.370	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	29783	2.458	ug/L	95
65) 1,2-Dichlorobenzene	11.68	146	29219	2.494	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	3669	2.270	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	20728m	2.268	ug/L	
68) 1,2,4-trichlorobenzene	13.31	180	18342m	2.291	ug/L	
69) Naphthalene	13.55	128	42108m	1.968	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	18320	2.154	ug/L	97

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

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