

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013501.D
 Acq On : 06 Nov 2019 16:46
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:46 AM

Quant Time: Nov 07 03:58:42 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	899761	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	852264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	402868	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	254061	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.44%
7) Chloroethane-d5	1.58	69	216332	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.88%
11) 1,1-Dichloroethene-d2	2.13	63	348218	37.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.58%
21) 2-Butanone-d5	3.92	46	439965	112.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.93%
24) Chloroform-d	4.40	84	554187	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
26) 1,2-Dichloroethane-d4	5.08	65	382853	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
32) Benzene-d6	5.10	84	1175951	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
36) 1,2-Dichloropropane-d6	6.11	67	378367	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.64%
41) Toluene-d8	7.36	98	1057181	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	7.66	79	169223	49.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.88%
47) 2-Hexanone-d5	8.13	63	262492	98.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.13%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	457727	49.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.82%
64) 1,2-Dichlorobenzene-d4	11.67	152	433239	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16878	2.254 ug/L	95
3) Chloromethane	1.25	50	16707	2.349 ug/L	100
5) Vinyl chloride	1.32	62	15864	2.387 ug/L #	41
6) Bromomethane	1.53	94	8033m	2.519 ug/L	
8) Chloroethane	1.60	64	8855	2.378 ug/L	94
9) Trichlorofluoromethane	1.77	101	20298	2.300 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15313	3.082 ug/L #	80
12) 1,1-Dichloroethene	2.14	96	13907m	2.932 ug/L	
13) Acetone	2.18	43	15601	4.291 ug/L	95
14) Carbon disulfide	2.32	76	38713	2.332 ug/L	98
15) Methyl Acetate	2.46	43	13134	1.980 ug/L #	86
16) Methylene chloride	2.54	84	15767	2.456 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	13071	2.213 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	36799	2.043 ug/L	95
19) 1,1-Dichloroethane	3.23	63	24035	2.134 ug/L #	95
20) cis-1,2-Dichloroethene	3.96	96	14768m	2.290 ug/L	
22) 2-Butanone	4.03	43	15894	3.300 ug/L	80

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

23) Bromochloromethane	4.29	128	8185m	2.401	ug/L	
25) Chloroform	4.42	83	51985	4.486	ug/L	97
27) 1,2-Dichloroethane	5.18	62	19210	2.163	ug/L	99
29) Cyclohexane	4.72	56	19462	1.988	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	20602	2.172	ug/L	93
31) Carbon tetrachloride	4.87	117	18530	2.191	ug/L	99
33) Benzene	5.15	78	53433	2.208	ug/L	100
34) Trichloroethene	5.96	95	15527	2.415	ug/L	93
35) Methylcyclohexane	6.18	83	20966	2.115	ug/L	97
37) 1,2-Dichloropropane	6.22	63	13680	2.148	ug/L #	89
38) Bromodichloromethane	6.56	83	18090	2.160	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	20622	2.131	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	33111	4.033	ug/L	97
42) Toluene	7.43	91	57266	2.271	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	18907	2.245	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	12846	2.154	ug/L	96
46) Tetrachloroethene	8.02	164	12950	2.360	ug/L	92
48) 2-Hexanone	8.18	43	49136	7.578	ug/L #	91
49) Dibromochloromethane	8.29	129	13567	1.978	ug/L	92
50) 1,2-Dibromoethane	8.40	107	13628	2.177	ug/L #	98
51) Chlorobenzene	8.92	112	37304	2.226	ug/L	98
52) Ethylbenzene	9.05	91	54515	1.992	ug/L	97
53) m,p-Xylene	9.18	106	20001	1.926	ug/L	99
54) o-xylene	9.59	106	19461	1.954	ug/L	92
55) Styrene	9.60	104	29866	1.734	ug/L	94
56) Isopropylbenzene	9.97	105	47693	1.823	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	22273	2.473	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	17080	2.278	ug/L	98
61) Bromoform	9.77	173	10714	2.268	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	27471	2.250	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	30697	2.427	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	30922	2.529	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	3556	2.108	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	21479	2.252	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	18282	2.188	ug/L	99
69) Naphthalene	13.55	128	43270m	1.938	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	18720m	2.109	ug/L	

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

