

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051879.D
 Acq On : 16 Nov 2022 13:05
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/17/2022
 Supervised By :Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 01:40:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	485479	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	478972	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	193263	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	104367	43.790	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.580%		
7) Chloroethane-d5	1.906	69	109290	45.767	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.540%		
11) 1,1-Dichloroethene-d2	2.562	63	133298	31.188	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.380%		
21) 2-Butanone-d5	4.617	46	281556	103.889	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.890%		
24) Chloroform-d	5.060	84	268421	44.927	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.860%		
26) 1,2-Dichloroethane-d4	5.697	65	174617	47.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.480%		
32) Benzene-d6	5.723	84	487064	48.771	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.540%		
36) 1,2-Dichloropropane-d6	6.687	67	186253	50.103	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.200%		
41) Toluene-d8	7.896	98	373579	45.574	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.140%		
43) trans-1,3-Dichloroprop...	8.176	79	68473	46.245	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.480%		
47) 2-Hexanone-d5	8.629	63	189301	100.199	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.200%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	339420	46.914	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.820%		
66) 1,2-Dichlorobenzene-d4	12.192	152	180277	53.006	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6626	2.223	ug/L	99
3) Chloromethane	1.523	50	11501	2.906	ug/L	100
5) Vinyl chloride	1.604	62	9026	2.198	ug/L #	1
6) Bromomethane	1.842	94	4147	2.331	ug/L	92
8) Chloroethane	1.929	64	6361	2.383	ug/L	94
9) Trichlorofluoromethane	2.134	101	10588	2.154	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	8131	2.625	ug/L	91
12) 1,1-Dichloroethene	2.578	96	7152	2.472	ug/L #	1
13) Acetone	2.626	43	10070	3.473	ug/L	96
14) Carbon disulfide	2.790	76	17903	2.234	ug/L	98
15) Methyl Acetate	2.948	43	8964	2.268	ug/L #	86
16) Methylene chloride	3.044	84	13117	2.840	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	6587	2.113	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	20196	2.093	ug/L	98
19) 1,1-Dichloroethane	3.867	63	13764	2.169	ug/L	95
20) cis-1,2-Dichloroethene	4.671	96	7859m	2.160	ug/L	
22) 2-Butanone	4.707	43	13736m	4.195	ug/L	
23) Bromochloromethane	4.977	128	4266	2.124	ug/L #	95
27) 1,2-Dichloroethane	5.793	62	12027	2.458	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	8495	2.079	ug/L #	92
30) 1,1,1-Trichloroethane	5.314	97	10939	2.259	ug/L	98
31) Carbon tetrachloride	5.526	117	8915	2.202	ug/L	97
33) Benzene	5.774	78	32397	2.351	ug/L	100
35) Methylcyclohexane	6.758	83	9955	2.249	ug/L	97
37) 1,2-Dichloropropane	6.790	63	8334	2.136	ug/L	98
38) Bromodichloromethane	7.102	83	11206	2.296	ug/L	95
39) cis-1,3-Dichloropropene	7.604	75	11097	2.174	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	20296	3.951	ug/L	99
42) Toluene	7.967	91	31249	2.205	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	10622m	2.172	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	9109	2.298	ug/L	90
46) Tetrachloroethene	8.552	164	5404	2.073	ug/L	94
49) Dibromochloromethane	8.806	129	9384	2.296	ug/L	96
50) 1,2-Dibromoethane	8.922	107	8982	2.251	ug/L	96
51) Chlorobenzene	9.443	112	21407	2.211	ug/L	93
52) Ethylbenzene	9.568	91	27344	1.885	ug/L	99
53) m,p-Xylene	9.694	106	10254	1.827	ug/L	94
54) o-Xylene	10.099	106	10092	1.766	ug/L	98
55) Styrene	10.115	104	14296	1.450	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	16995	2.269	ug/L	99
59) Bromoform	10.288	173	6227	2.376	ug/L #	98
60) 1,2,3-Trichloropropane	10.819	75	12557	2.716	ug/L	96
61) Isopropylbenzene	10.481	105	23020	2.038	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	16979	1.845	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	14996	1.668	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	11724	2.048	ug/L	94
65) 1,4-Dichlorobenzene	11.832	146	13140	2.267	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	15013	2.466	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.996	75	2608	2.203	ug/L	90
69) 1,3,5-Trichlorobenzene	13.221	180	8467	2.229	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	6198	2.059	ug/L	96
71) Naphthalene	14.089	128	17343	1.752	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.330	180	6406	1.944	ug/L	98

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

