

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051878.D
 Acq On : 16 Nov 2022 12:41
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 01:39:48 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	6.246	114	499711	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	494781	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	200024	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	108359	44.170	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.340%		
7) Chloroethane-d5	1.906	69	115830	47.125	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.240%		
11) 1,1-Dichloroethene-d2	2.565	63	139250	31.653	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.300%		
21) 2-Butanone-d5	4.613	46	281211	100.807	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.810%		
24) Chloroform-d	5.060	84	280855	45.669	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.340%		
26) 1,2-Dichloroethane-d4	5.697	65	177731	47.212	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.420%		
32) Benzene-d6	5.726	84	501365	48.599	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.200%		
36) 1,2-Dichloropropane-d6	6.687	67	187600	48.853	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.700%		
41) Toluene-d8	7.896	98	384967	45.463	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.920%		
43) trans-1,3-Dichloroprop...	8.176	79	69348	45.339	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.680%		
47) 2-Hexanone-d5	8.629	63	189794	97.250	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.250%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	345058	46.169	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.340%		
66) 1,2-Dichlorobenzene-d4	12.192	152	183780	52.209	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6352	2.070	ug/L	98
3) Chloromethane	1.523	50	12050	2.958	ug/L	98
5) Vinyl chloride	1.604	62	9269	2.193	ug/L #	1
6) Bromomethane	1.841	94	4365	2.384	ug/L	92
8) Chloroethane	1.928	64	6218	2.263	ug/L	87
9) Trichlorofluoromethane	2.134	101	10568	2.089	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8956	2.809	ug/L #	87
12) 1,1-Dichloroethene	2.575	96	7638	2.565	ug/L #	1
13) Acetone	2.623	43	11612	3.891	ug/L	91
14) Carbon disulfide	2.793	76	17702	2.146	ug/L	96
15) Methyl Acetate	2.951	43	9083	2.232	ug/L	99
16) Methylene chloride	3.047	84	12673	2.666	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	6636	2.068	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	20734	2.087	ug/L #	85
19) 1,1-Dichloroethane	3.864	63	13903	2.129	ug/L	89
20) cis-1,2-Dichloroethene	4.665	96	8508	2.272	ug/L	89
22) 2-Butanone	4.710	43	14137m	4.194	ug/L	
23) Bromochloromethane	4.980	128	4153	2.009	ug/L	92
27) 1,2-Dichloroethane	5.793	62	12114	2.405	ug/L #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	8593	2.036	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	11036	2.206	ug/L	97
31) Carbon tetrachloride	5.520	117	9443	2.258	ug/L	97
33) Benzene	5.771	78	32796	2.304	ug/L	100
35) Methylcyclohexane	6.761	83	10107	2.211	ug/L	97
37) 1,2-Dichloropropane	6.787	63	9082	2.254	ug/L #	95
38) Bromodichloromethane	7.105	83	11042	2.190	ug/L #	88
39) cis-1,3-Dichloropropene	7.607	75	11534	2.188	ug/L	94
40) 4-Methyl-2-pentanone	7.787	43	20905	3.939	ug/L	94
42) Toluene	7.967	91	31086	2.124	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	10001	1.980	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	8862	2.164	ug/L	93
46) Tetrachloroethene	8.552	164	5350	1.987	ug/L	89
49) Dibromochloromethane	8.806	129	8727	2.067	ug/L	97
50) 1,2-Dibromoethane	8.922	107	8680	2.105	ug/L	95
51) Chlorobenzene	9.446	112	22430	2.242	ug/L	97
52) Ethylbenzene	9.568	91	28179	1.881	ug/L	95
53) m,p-Xylene	9.693	106	10875	1.875	ug/L	100
54) o-Xylene	10.098	106	9693	1.642	ug/L	97
55) Styrene	10.111	104	15549	1.527	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	17774	2.297	ug/L	95
59) Bromoform	10.288	173	6457	2.381	ug/L #	90
60) 1,2,3-Trichloropropane	10.819	75	12428	2.597	ug/L	99
61) Isopropylbenzene	10.481	105	22980	1.966	ug/L	98
62) 1,3,5-Trimethylbenzene	11.085	105	17431	1.830	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	15552	1.671	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	12699	2.143	ug/L	90
65) 1,4-Dichlorobenzene	11.835	146	13757	2.293	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	15567	2.471	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.992	75	2989	2.440	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	8503	2.163	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	6301	2.022	ug/L	100
71) Naphthalene	14.089	128	18349	1.791	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	6569	1.926	ug/L	94

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

