

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051892.D
 Acq On : 17 Nov 2022 13:26
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 01:16:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	469639	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	462912	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	185998	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	98937	42.912	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.820%		
7) Chloroethane-d5	1.906	69	107625	46.590	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.180%		
11) 1,1-Dichloroethene-d2	2.565	63	126697	30.644	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.280%		
21) 2-Butanone-d5	4.617	46	269757	102.893	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.890%		
24) Chloroform-d	5.060	84	267185	46.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.460%		
26) 1,2-Dichloroethane-d4	5.700	65	171440	48.457	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.920%		
32) Benzene-d6	5.723	84	471722	48.873	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.740%		
36) 1,2-Dichloropropane-d6	6.687	67	179711	50.021	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.040%		
41) Toluene-d8	7.896	98	357919	45.178	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.360%		
43) trans-1,3-Dichloroprop...	8.176	79	68590	47.931	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.860%		
47) 2-Hexanone-d5	8.629	63	180032	98.598	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.600%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	335637	48.000	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.000%		
66) 1,2-Dichlorobenzene-d4	12.189	152	176919	54.050	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6531	2.265	ug/L	97
3) Chloromethane	1.523	50	11529	3.011	ug/L	99
5) Vinyl chloride	1.604	62	9625	2.423	ug/L #	23
6) Bromomethane	1.842	94	4721	2.744	ug/L	90
8) Chloroethane	1.929	64	5304m	2.054	ug/L	
9) Trichlorofluoromethane	2.134	101	10790	2.269	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	7695	2.568	ug/L	93
12) 1,1-Dichloroethene	2.578	96	7309	2.611	ug/L #	1
13) Acetone	2.626	43	10663	3.801	ug/L	97
14) Carbon disulfide	2.790	76	17891	2.307	ug/L	98
15) Methyl Acetate	2.951	43	8714	2.279	ug/L	99
16) Methylene chloride	3.044	84	14296	3.200	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	6425	2.130	ug/L	87
18) Methyl tert-butyl Ether	3.363	73	20494	2.195	ug/L	100
19) 1,1-Dichloroethane	3.871	63	13472	2.195	ug/L	90
20) cis-1,2-Dichloroethene	4.668	96	8480	2.409	ug/L	90
22) 2-Butanone	4.710	43	12707m	4.011	ug/L	
23) Bromochloromethane	4.973	128	4421	2.276	ug/L	89
27) 1,2-Dichloroethane	5.793	62	11683	2.468	ug/L #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	8338	2.111	ug/L #	92
30) 1,1,1-Trichloroethane	5.311	97	11124	2.377	ug/L	98
31) Carbon tetrachloride	5.520	117	10039	2.566	ug/L	96
33) Benzene	5.771	78	32305	2.426	ug/L	100
35) Methylcyclohexane	6.758	83	9548	2.232	ug/L	98
37) 1,2-Dichloropropane	6.793	63	9242	2.451	ug/L	99
38) Bromodichloromethane	7.105	83	10628	2.253	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	11110	2.253	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	19673	3.962	ug/L	98
42) Toluene	7.967	91	31171	2.276	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	10505m	2.223	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	8995	2.348	ug/L	93
46) Tetrachloroethene	8.549	164	5525	2.193	ug/L	98
49) Dibromochloromethane	8.806	129	9536	2.414	ug/L	96
50) 1,2-Dibromoethane	8.922	107	8829	2.289	ug/L #	97
51) Chlorobenzene	9.443	112	22140	2.366	ug/L	95
52) Ethylbenzene	9.568	91	28215	2.013	ug/L	96
53) m,p-Xylene	9.693	106	9875	1.820	ug/L	100
54) o-Xylene	10.099	106	10001	1.811	ug/L	99
55) Styrene	10.115	104	15384	1.615	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	17248	2.382	ug/L #	98
59) Bromoform	10.288	173	7584	3.007	ug/L #	95
60) 1,2,3-Trichloropropane	10.819	75	12191	2.740	ug/L	95
61) Isopropylbenzene	10.481	105	22446	2.065	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	16213	1.830	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	14324	1.655	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	12477	2.265	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	13675	2.451	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	15366	2.623	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.996	75	3117	2.736	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	8591	2.350	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	6230	2.150	ug/L	99
71) Naphthalene	14.089	128	19444m	2.041	ug/L	
72) 1,2,3-Trichlorobenzene	14.330	180	6601	2.082	ug/L	94

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

