

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051868.D
 Acq On : 15 Nov 2022 18:46
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:25:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	481515	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	477434	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	187682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	108796	46.024	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.040%		
7) Chloroethane-d5	1.909	69	114779	48.462	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.920%		
11) 1,1-Dichloroethene-d2	2.565	63	135304	31.918	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.840%		
21) 2-Butanone-d5	4.616	46	261661	97.343	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.340%		
24) Chloroform-d	5.060	84	274704	46.357	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
26) 1,2-Dichloroethane-d4	5.700	65	174750	48.174	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.340%		
32) Benzene-d6	5.726	84	491466	49.370	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.740%		
36) 1,2-Dichloropropane-d6	6.687	67	188173	50.783	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.560%		
41) Toluene-d8	7.896	98	371808	45.504	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.000%		
43) trans-1,3-Dichloroprop...	8.176	79	68555	46.449	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.900%		
47) 2-Hexanone-d5	8.629	63	176959	93.968	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.970%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	329018	45.623	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.240%		
66) 1,2-Dichlorobenzene-d4	12.192	152	173612	52.564	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4577	1.548	ug/L	100
3) Chloromethane	1.523	50	10828	2.758	ug/L	98
5) Vinyl chloride	1.604	62	7758	1.905	ug/L #	1
6) Bromomethane	1.845	94	3737	2.118	ug/L	90
8) Chloroethane	1.928	64	5251	1.983	ug/L	85
9) Trichlorofluoromethane	2.137	101	8155	1.673	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6396	2.082	ug/L	90
12) 1,1-Dichloroethene	2.578	96	6106	2.128	ug/L #	1
13) Acetone	2.623	43	10969	3.814	ug/L	98
14) Carbon disulfide	2.790	76	14966	1.883	ug/L	99
15) Methyl Acetate	2.951	43	7108	1.813	ug/L	96
16) Methylene chloride	3.047	84	8151	1.779	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	5255	1.699	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	15493	1.619	ug/L #	96
19) 1,1-Dichloroethane	3.867	63	11540m	1.834	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	6114	1.694	ug/L	95
22) 2-Butanone	4.713	43	11487m	3.537	ug/L	
23) Bromochloromethane	4.976	128	3281	1.647	ug/L	89
27) 1,2-Dichloroethane	5.796	62	8881	1.830	ug/L	98

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29) Cyclohexane	5.385	56	6414	1.575	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	8698	1.802	ug/L	98
31) Carbon tetrachloride	5.526	117	6998	1.734	ug/L	98
33) Benzene	5.774	78	25512	1.858	ug/L	100
35) Methylcyclohexane	6.758	83	6744	1.529	ug/L	99
37) 1,2-Dichloropropane	6.793	63	6886	1.771	ug/L #	95
38) Bromodichloromethane	7.102	83	8267	1.699	ug/L	85
39) cis-1,3-Dichloropropene	7.607	75	8531	1.677	ug/L	93
40) 4-Methyl-2-pentanone	7.790	43	15497	3.026	ug/L	99
42) Toluene	7.970	91	25416	1.799	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	7769m	1.594	ug/L	
45) 1,1,2-Trichloroethane	8.401	97	7396	1.872	ug/L	93
46) Tetrachloroethene	8.552	164	4581	1.763	ug/L	98
49) Dibromochloromethane	8.806	129	7044	1.729	ug/L	98
50) 1,2-Dibromoethane	8.922	107	7171	1.803	ug/L	99
51) Chlorobenzene	9.446	112	16676	1.728	ug/L	94
52) Ethylbenzene	9.568	91	21845	1.511	ug/L	96
53) m,p-Xylene	9.693	106	8083	1.444	ug/L	98
54) o-Xylene	10.098	106	7427	1.304	ug/L	99
55) Styrene	10.115	104	11769	1.198	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	13459	1.802	ug/L #	94
59) Bromoform	10.288	173	4686	1.842	ug/L	93
60) 1,2,3-Trichloropropane	10.819	75	9468	2.109	ug/L	98
61) Isopropylbenzene	10.481	105	17350	1.582	ug/L	96
62) 1,3,5-Trimethylbenzene	11.086	105	12925	1.446	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	11680	1.338	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	9438	1.698	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	10270	1.824	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	11877	2.009	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	2504	2.178	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.221	180	6408	1.737	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	4887	1.672	ug/L	99
71) Naphthalene	14.085	128	14678	1.527	ug/L	98

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

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