

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110722\
 Data File : VU051770.D
 Acq On : 07 Nov 2022 15:59
 Operator : JC/MD
 Sample : N4519-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2022-08

Quant Time: Nov 08 00:47:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 08 00:38:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/08/2022
 Supervised By :Mahesh Dadoda 11/08/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	450588	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	454739	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	206976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	179482	50.200	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.400%			
7) Chloroethane-d5	1.912	69	159610	54.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.380%			
11) 1,1-Dichloroethene-d2	2.565	63	230294	37.839	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.680%			
21) 2-Butanone-d5	4.617	46	254026	100.792	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.790%			
24) Chloroform-d	5.060	84	324456	49.408	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.820%			
26) 1,2-Dichloroethane-d4	5.700	65	206636	50.614	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.220%			
32) Benzene-d6	5.726	84	691926	56.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 112.380%			
36) 1,2-Dichloropropane-d6	6.690	67	225329	55.719	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 111.440%			
41) Toluene-d8	7.896	98	589519	52.520	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.040%			
43) trans-1,3-Dichloroprop...	8.179	79	88007	51.109	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.220%			
47) 2-Hexanone-d5	8.632	63	185453	104.410	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.410%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	334186	47.570	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.140%			
66) 1,2-Dichlorobenzene-d4	12.192	152	216577	55.897	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	7976	2.025	ug/L	99
3) Chloromethane	1.523	50	9966	1.980	ug/L	99
5) Vinyl chloride	1.601	62	10410	2.090	ug/L #	1
6) Bromomethane	1.855	94	6033	2.330	ug/L	100
8) Chloroethane	1.932	64	7219	2.425	ug/L	93
9) Trichlorofluoromethane	2.138	101	12519	2.172	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	10188	2.892	ug/L #	82
12) 1,1-Dichloroethene	2.575	96	9400	2.815	ug/L #	1
13) Acetone	2.626	43	15606	5.434	ug/L	98
14) Carbon disulfide	2.790	76	22427	2.062	ug/L	98
15) Methyl Acetate	2.951	43	9585	2.207	ug/L	91
16) Methylene chloride	3.047	84	11796	2.691	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	7803	2.272	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	22465	2.288	ug/L #	87
19) 1,1-Dichloroethane	3.867	63	15601	2.303	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	9119	2.434	ug/L	100
22) 2-Butanone	4.716	43	17085m	5.126	ug/L	
23) Bromochloromethane	4.973	128	4836	2.300	ug/L	89
27) 1,2-Dichloroethane	5.797	62	12436	2.293	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	9798	2.051	ug/L #	86
30) 1,1,1-Trichloroethane	5.317	97	12312	2.283	ug/L	98
31) Carbon tetrachloride	5.523	117	10275	2.256	ug/L	99
33) Benzene	5.774	78	35918	2.416	ug/L	100
35) Methylcyclohexane	6.761	83	11542	2.249	ug/L	91
37) 1,2-Dichloropropane	6.790	63	10137	2.487	ug/L #	97
38) Bromodichloromethane	7.105	83	12311	2.372	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	13057	2.429	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	22960	4.215	ug/L	97
42) Toluene	7.970	91	39130	2.565	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	12723	2.432	ug/L	92
45) 1,1,2-Trichloroethane	8.401	97	10355	2.545	ug/L	92
46) Tetrachloroethene	8.552	164	6524	2.436	ug/L	92
49) Dibromochloromethane	8.809	129	10361	2.488	ug/L	99
50) 1,2-Dibromoethane	8.922	107	10194	2.445	ug/L #	97
51) Chlorobenzene	9.446	112	24589	2.461	ug/L	97
52) Ethylbenzene	9.568	91	32679	2.124	ug/L	99
53) m,p-Xylene	9.694	106	12180	2.054	ug/L	99
54) o-Xylene	10.099	106	11672	1.984	ug/L	97
55) Styrene	10.115	104	17202	1.683	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	18876	2.431	ug/L #	98
59) Bromoform	10.292	173	7320	2.539	ug/L #	97
60) 1,2,3-Trichloropropane	10.822	75	13212	2.463	ug/L	97
61) Isopropylbenzene	10.481	105	26416	2.032	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	20280	1.837	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	18879	1.736	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	15774	2.377	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	17724	2.598	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	18189	2.632	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	3299	2.279	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	11378	2.556	ug/L	95
70) 1,2,4-trichlorobenzene	13.841	180	9636	2.812	ug/L	93
71) Naphthalene	14.089	128	25578	2.332	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	9791	2.662	ug/L	99

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

