

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101022\
 Data File : VW028493.D
 Acq On : 10 Oct 2022 10:49
 Operator : SY/MD
 Sample : N4519-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Quant Time: Oct 11 04:35:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 11 02:53:11 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/11/2022
 Supervised By :Mahesh Dadoda 10/11/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	358614	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	320950	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	164852	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	136516	49.336	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.680%		
7) Chloroethane-d5	1.564	69	102900	46.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.800%		
11) 1,1-Dichloroethene-d2	2.101	63	178976	38.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.000%		
21) 2-Butanone-d5	3.889	46	160741	66.359	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	66.360%		
24) Chloroform-d	4.339	84	251153	49.489	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.980%		
26) 1,2-Dichloroethane-d4	5.024	65	171011	52.250	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.500%		
32) Benzene-d6	5.043	84	531517	51.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.360%		
36) 1,2-Dichloropropane-d6	6.063	67	164867	49.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.340%		
41) Toluene-d8	7.310	98	480413	52.175	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.360%		
43) trans-1,3-Dichloroprop...	7.616	79	82704	48.390	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.780%		
47) 2-Hexanone-d5	8.082	63	154832	84.884	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.880%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	209181	45.589	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.180%		
66) 1,2-Dichlorobenzene-d4	11.615	152	180419	52.818	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5063	1.875	ug/L	95
3) Chloromethane	1.236	50	5010	1.648	ug/L	96
5) Vinyl chloride	1.307	62	5722	1.876	ug/L #	39
6) Bromomethane	1.519	94	3143	2.260	ug/L	100
8) Chloroethane	1.580	64	4003m	2.162	ug/L	
9) Trichlorofluoromethane	1.751	101	6983	1.852	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	5023	2.351	ug/L	86
12) 1,1-Dichloroethene	2.111	96	5261	2.508	ug/L #	1
13) Acetone	2.185	43	7267m	3.873	ug/L	
14) Carbon disulfide	2.288	76	13764	2.052	ug/L	97
15) Methyl Acetate	2.436	43	5361m	1.692	ug/L	
17) trans-1,2-Dichloroethene	2.757	96	4924	2.013	ug/L	97
18) Methyl tert-butyl Ether	2.764	73	16976	1.887	ug/L	96
19) 1,1-Dichloroethane	3.185	63	9342	1.869	ug/L	96
20) cis-1,2-Dichloroethene	3.908	96	5315	1.907	ug/L	88
22) 2-Butanone	3.995	43	9733m	3.935	ug/L	
23) Bromochloromethane	4.256	128	2570m	1.897	ug/L	
27) 1,2-Dichloroethane	5.140	62	7704	2.061	ug/L	99
29) Cyclohexane	4.667	56	8510	1.843	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.600	97	8198	1.977	ug/L	97
31) Carbon tetrachloride	4.828	117	7416m	2.137	ug/L	
33) Benzene	5.098	78	20132	1.907	ug/L	100
35) Methylcyclohexane	6.124	83	7845	1.723	ug/L #	87
37) 1,2-Dichloropropane	6.175	63	5111	1.806	ug/L #	93
38) Bromodichloromethane	6.513	83	6706	1.819	ug/L #	97
39) cis-1,3-Dichloropropene	7.030	75	8183	1.818	ug/L	92
40) 4-Methyl-2-pentanone	7.230	43	15031	3.114	ug/L	99
42) Toluene	7.387	91	20282	1.864	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	7970	1.845	ug/L	92
45) 1,1,2-Trichloroethane	7.837	97	4631	1.767	ug/L	95
46) Tetrachloroethene	7.969	164	3734	1.985	ug/L	90
49) Dibromochloromethane	8.243	129	5074	1.801	ug/L	94
50) 1,2-Dibromoethane	8.355	107	4813	1.773	ug/L	98
51) Chlorobenzene	8.876	112	13410	1.964	ug/L	98
52) Ethylbenzene	9.011	91	22389	1.888	ug/L	99
53) m,p-Xylene	9.136	106	8382	1.865	ug/L	97
54) o-Xylene	9.538	106	8472	1.882	ug/L	99
55) Styrene	9.561	104	13684	1.770	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.233	83	8374	1.865	ug/L #	99
59) Bromoform	9.728	173	3416	1.673	ug/L #	94
60) Isopropylbenzene	9.924	105	22199	1.869	ug/L	97
61) 1,2,3-Trichloropropane	10.268	75	6215	1.771	ug/L	97
62) 1,3,5-Trimethylbenzene	10.532	105	19453	1.891	ug/L	97
63) 1,2,4-Trimethylbenzene	10.908	105	18558	1.817	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	10485	2.018	ug/L	92
65) 1,4-Dichlorobenzene	11.265	146	10745	2.073	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	10861	2.071	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.422	75	1751	1.630	ug/L	91
69) 1,3,5-Trichlorobenzene	12.638	180	6744	1.709	ug/L	95
70) 1,2,4-trichlorobenzene	13.255	180	4930	1.417	ug/L	83
71) Naphthalene	13.496	128	18858	1.743	ug/L	96
72) 1,2,3-Trichlorobenzene	13.738	180	6006	1.771	ug/L	96

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

