

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120224\
 Data File : VV038393.D
 Acq On : 02 Dec 2024 17:01
 Operator : SY/MD
 Sample : P4776-01
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Dec 02 21:38:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 21:19:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	515054	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	517151	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	241665	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	188460	43.791	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.580%		
7) Chloroethane-d5	1.529	69	156142	43.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.120%		
11) 1,1-Dichloroethene-d2	2.053	65	83629	45.835	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.680%		
21) 2-Butanone-d5	3.786	46	194850	95.139	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.140%		
24) Chloroform-d	4.239	84	355496	45.401	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.800%		
26) 1,2-Dichloroethane-d4	4.931	65	218083	47.178	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.360%		
32) Benzene-d6	4.950	84	701959	47.111	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.220%		
36) 1,2-Dichloropropane-d6	5.979	67	225819	48.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.480%		
41) Toluene-d8	7.236	98	614060	45.566	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.140%		
43) trans-1,3-Dichloroprop...	7.548	79	97551	43.534	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.060%		
47) 2-Hexanone-d5	8.021	63	126484	89.395	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.400%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	294637	45.471	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.940%		
66) 1,2-Dichlorobenzene-d4	11.551	152	237480	50.826	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	11157	2.359	ug/L	95
3) Chloromethane	1.214	50	12297	2.506	ug/L	99
5) Vinyl chloride	1.281	62	12812	2.560	ug/L #	65
6) Bromomethane	1.484	94	8060	2.599	ug/L	86
8) Chloroethane	1.545	64	7796	2.462	ug/L	100
9) Trichlorofluoromethane	1.709	101	16243	2.461	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11831	3.113	ug/L	88
12) 1,1-Dichloroethene	2.066	96	10996	3.038	ug/L #	1
13) Acetone	2.114	43	12681	4.489	ug/L	64
14) Carbon disulfide	2.236	76	30860	2.590	ug/L	98
15) Methyl Acetate	2.384	43	9541m	2.610	ug/L	
17) trans-1,2-Dichloroethene	2.696	96	9152	2.319	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	26340	2.310	ug/L	98
19) 1,1-Dichloroethane	3.108	63	17355	2.397	ug/L	96
20) cis-1,2-Dichloroethene	3.815	96	9368	2.257	ug/L	91
22) 2-Butanone	3.944	43	14413m	5.369	ug/L	
23) Bromochloromethane	4.149	128	5884m	2.608	ug/L	
27) 1,2-Dichloroethane	5.053	62	15062m	2.732	ug/L	
29) Cyclohexane	4.567	56	12127m	2.183	ug/L	

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30) 1,1,1-Trichloroethane	4.506	97	15980	2.445	ug/L	97
31) Carbon tetrachloride	4.728	117	13613	2.370	ug/L	95
33) Benzene	5.008	78	39363m	2.522	ug/L	
34) Trichloroethene	5.837	95	10401m	2.494	ug/L	
35) Methylcyclohexane	6.037	83	14606m	2.439	ug/L	
37) 1,2-Dichloropropane	6.098	63	8979	2.212	ug/L #	96
38) Bromodichloromethane	6.442	83	13288	2.359	ug/L	95
39) cis-1,3-Dichloropropene	6.956	75	15663m	2.487	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	20394m	4.490	ug/L	
42) Toluene	7.320	91	38429	2.370	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	14698m	2.416	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	10383	2.466	ug/L	97
46) Tetrachloroethene	7.902	164	7449	2.314	ug/L	98
48) 2-Hexanone	8.085	43	32128m	8.477	ug/L	
49) Dibromochloromethane	8.175	129	9981	2.298	ug/L	96
50) 1,2-Dibromoethane	8.288	107	10846	2.444	ug/L	98
51) Chlorobenzene	8.805	112	26564	2.384	ug/L	95
52) Ethylbenzene	8.947	91	35157	2.021	ug/L	98
53) m,p-Xylene	9.075	106	12398	1.881	ug/L	96
54) o-Xylene	9.480	106	12565	1.981	ug/L	85
55) Styrene	9.503	104	21286m	1.912	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.168	83	17531	2.680	ug/L #	94
59) Bromoform	9.667	173	6157	2.370	ug/L	97
60) Isopropylbenzene	9.863	105	31627	2.140	ug/L	98
61) 1,2,3-Trichloropropane	10.204	75	12049	2.864	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	23279	1.963	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	22465	1.927	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	18227	2.403	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	19672	2.439	ug/L	92
67) 1,2-Dichlorobenzene	11.570	146	20041	2.591	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.361	75	2862	2.581	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	12279	2.373	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	9820	2.253	ug/L	96
71) Naphthalene	13.445	128	24553	2.078	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.680	180	9226	2.157	ug/L	98

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

