

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060289.D
 Acq On : 01 Aug 2024 10:52
 Operator : MD/SY
 Sample : P3391-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-06

Quant Time: Aug 02 02:46:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:32:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	221434	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79624	56.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.000%			
7) Chloroethane-d5	1.901	69	64275	53.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.500%			
11) 1,1-Dichloroethene-d2	2.557	63	94671	37.481	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.960%			
21) 2-Butanone-d5	4.615	46	102813	104.055	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.060%			
24) Chloroform-d	5.055	84	128174	46.553	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.100%			
26) 1,2-Dichloroethane-d4	5.692	65	78972	48.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.480%			
32) Benzene-d6	5.721	84	261926	44.329	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.660%			
36) 1,2-Dichloropropane-d6	6.682	67	89076	48.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.420%			
41) Toluene-d8	7.891	98	221629	39.443	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 78.880%#			
43) trans-1,3-Dichloroprop...	8.174	79	36392	42.528	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.060%			
47) 2-Hexanone-d5	8.627	63	57222	74.247	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 74.250%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	126748	45.157	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.320%			
66) 1,2-Dichlorobenzene-d4	12.187	152	77680	45.522	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2972	2.161	ug/L	94
3) Chloromethane	1.518	50	4411	3.269	ug/L	95
5) Vinyl chloride	1.602	62	4529	2.859	ug/L #	73
6) Bromomethane	1.843	94	2653	3.188	ug/L	96
8) Chloroethane	1.927	64	2846	2.759	ug/L	96
9) Trichlorofluoromethane	2.129	101	5394	2.446	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4525	3.223	ug/L #	78
12) 1,1-Dichloroethene	2.573	96	3698	2.817	ug/L #	1
13) Acetone	2.621	43	4883m	4.799	ug/L	
14) Carbon disulfide	2.788	76	7380	2.227	ug/L #	92
15) Methyl Acetate	2.949	43	4100	2.673	ug/L	94
16) Methylene chloride	3.039	84	6374	3.850	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	3036	2.246	ug/L	86
18) Methyl tert-butyl Ether	3.357	73	10546	2.402	ug/L	98
19) 1,1-Dichloroethane	3.862	63	7158	2.792	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	3667	2.240	ug/L	84
22) 2-Butanone	4.721	43	6994m	5.587	ug/L	
23) Bromochloromethane	4.972	128	2135	2.473	ug/L	91
27) 1,2-Dichloroethane	5.791	62	5793	2.766	ug/L	98

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29) Cyclohexane	5.383	56	3981	1.927	ug/L	#	91
30) 1,1,1-Trichloroethane	5.309	97	5607	2.346	ug/L		98
31) Carbon tetrachloride	5.521	117	4583	2.321	ug/L		93
34) Trichloroethene	6.544	95	3979	2.393	ug/L		94
35) Methylcyclohexane	6.759	83	4510m	1.964	ug/L		
37) 1,2-Dichloropropane	6.788	63	4732	2.759	ug/L	#	88
38) Bromodichloromethane	7.100	83	5785	2.662	ug/L	#	95
39) cis-1,3-Dichloropropene	7.605	75	6393	2.436	ug/L		91
40) 4-Methyl-2-pentanone	7.788	43	10077	4.649	ug/L	#	91
42) Toluene	7.965	91	15120	2.223	ug/L		93
44) trans-1,3-Dichloropropene	8.206	75	6137m	2.546	ug/L		
45) 1,1,2-Trichloroethane	8.399	97	4995	2.781	ug/L		92
46) Tetrachloroethene	8.550	164	2861	2.092	ug/L		94
48) 2-Hexanone	8.682	43	14935m	8.232	ug/L		
49) Dibromochloromethane	8.801	129	4378	2.474	ug/L		95
50) 1,2-Dibromoethane	8.923	107	4338	2.310	ug/L	#	93
51) Chlorobenzene	9.441	112	10520	2.330	ug/L		93
52) Ethylbenzene	9.566	91	15103	2.079	ug/L		99
53) m,p-Xylene	9.688	106	4687	1.657	ug/L		87
54) o-Xylene	10.097	106	4821	1.773	ug/L		96
55) Styrene	10.119	104	8098	1.765	ug/L		96
57) 1,1,2,2-Tetrachloroethane	10.775	83	8414	2.778	ug/L	#	99
59) Bromoform	10.286	173	3583	3.191	ug/L	#	89
60) 1,2,3-Trichloropropane	10.817	75	6135	3.481	ug/L	#	89
61) Isopropylbenzene	10.479	105	12017	2.220	ug/L		98
62) 1,3,5-Trimethylbenzene	11.087	105	7786	1.965	ug/L		96
63) 1,2,4-Trimethylbenzene	11.467	105	7588	1.788	ug/L		98
64) 1,3-Dichlorobenzene	11.743	146	7157	2.549	ug/L		97
65) 1,4-Dichlorobenzene	11.830	146	7350	2.533	ug/L		95
67) 1,2-Dichlorobenzene	12.206	146	8030	2.832	ug/L		95
68) 1,2-Dibromo-3-chloropr...	13.000	75	1486	3.083	ug/L	#	73
69) 1,3,5-Trichlorobenzene	13.222	180	4703m	2.324	ug/L		
70) 1,2,4-trichlorobenzene	13.843	180	3811	2.089	ug/L		91
71) Naphthalene	14.097	128	10025m	1.902	ug/L		
72) 1,2,3-Trichlorobenzene	14.331	180	3065	1.675	ug/L		85

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

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