

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073124\
 Data File : VU060277.D
 Acq On : 31 Jul 2024 12:25
 Operator : MD/SY
 Sample : P3391-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-05

Quant Time: Aug 01 01:10:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/01/2024
 Supervised By :Semsettin Yesilyurt 08/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	231757	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	234550	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94137	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	89261	59.986	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 119.980%			
7) Chloroethane-d5	1.901	69	69205	55.292	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.580%			
11) 1,1-Dichloroethene-d2	2.557	63	105252	39.814	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.620%			
21) 2-Butanone-d5	4.612	46	111923	108.230	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.230%			
24) Chloroform-d	5.052	84	138500	48.063	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.120%			
26) 1,2-Dichloroethane-d4	5.692	65	84871	49.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.060%			
32) Benzene-d6	5.718	84	282799	47.085	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.180%			
36) 1,2-Dichloropropane-d6	6.682	67	96251	51.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.560%			
41) Toluene-d8	7.891	98	239920	42.005	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 84.020%			
43) trans-1,3-Dichloroprop...	8.174	79	39103	44.954	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.900%			
47) 2-Hexanone-d5	8.624	63	64588	82.445	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 82.440%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	139014	48.723	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.440%			
66) 1,2-Dichlorobenzene-d4	12.187	152	81430	47.073	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3254	2.261	ug/L	91
3) Chloromethane	1.518	50	4572	3.237	ug/L	89
5) Vinyl chloride	1.602	62	4904	2.958	ug/L #	79
6) Bromomethane	1.840	94	2758	3.167	ug/L	96
8) Chloroethane	1.924	64	2849m	2.639	ug/L	
9) Trichlorofluoromethane	2.133	101	5829	2.525	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4489	3.055	ug/L #	83
12) 1,1-Dichloroethene	2.570	96	3810	2.773	ug/L #	1
13) Acetone	2.621	43	5753m	5.403	ug/L	
14) Carbon disulfide	2.785	76	7857	2.265	ug/L	99
15) Methyl Acetate	2.949	43	5054m	3.148	ug/L	
16) Methylene chloride	3.039	84	6157	3.553	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	3289	2.325	ug/L	90
18) Methyl tert-butyl Ether	3.354	73	10771	2.344	ug/L	97
19) 1,1-Dichloroethane	3.856	63	7429	2.769	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	3939	2.299	ug/L	97
22) 2-Butanone	4.727	43	6822m	5.207	ug/L	
23) Bromochloromethane	4.972	128	2233	2.471	ug/L #	92
27) 1,2-Dichloroethane	5.795	62	6034	2.753	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	4070	1.938	ug/L #	87
30) 1,1,1-Trichloroethane	5.306	97	5853	2.409	ug/L #	88
31) Carbon tetrachloride	5.518	117	4988	2.485	ug/L	95
34) Trichloroethene	6.538	95	4217	2.495	ug/L	86
35) Methylcyclohexane	6.756	83	4806	2.059	ug/L #	82
37) 1,2-Dichloropropane	6.785	63	5083	2.916	ug/L #	96
38) Bromodichloromethane	7.100	83	5801	2.626	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	6012	2.254	ug/L	91
40) 4-Methyl-2-pentanone	7.791	43	11106	5.040	ug/L #	95
42) Toluene	7.968	91	15872	2.295	ug/L	95
44) trans-1,3-Dichloropropene	8.209	75	7908	3.228	ug/L	92
45) 1,1,2-Trichloroethane	8.393	97	4715	2.582	ug/L	94
46) Tetrachloroethene	8.550	164	3041	2.187	ug/L	98
48) 2-Hexanone	8.682	43	14844	8.049	ug/L #	92
49) Dibromochloromethane	8.804	129	4502	2.503	ug/L	96
50) 1,2-Dibromoethane	8.923	107	4691	2.457	ug/L #	89
51) Chlorobenzene	9.444	112	11318	2.466	ug/L	98
52) Ethylbenzene	9.566	91	15218	2.061	ug/L	99
53) m,p-Xylene	9.692	106	5265m	1.831	ug/L	
54) o-Xylene	10.097	106	5069	1.833	ug/L	99
55) Styrene	10.119	104	8655m	1.856	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.772	83	8997m	2.922	ug/L	
59) Bromoform	10.287	173	3642	3.200	ug/L #	88
60) 1,2,3-Trichloropropane	10.817	75	6463	3.618	ug/L	98
61) Isopropylbenzene	10.483	105	12524	2.282	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	7932	1.975	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	7982	1.855	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7002	2.460	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	7136	2.426	ug/L	87
67) 1,2-Dichlorobenzene	12.206	146	7658	2.664	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	12.997	75	1581	3.236	ug/L	88
69) 1,3,5-Trichlorobenzene	13.225	180	4618	2.251	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	3643	1.970	ug/L #	93
71) Naphthalene	14.090	128	10524	1.969	ug/L #	85
72) 1,2,3-Trichlorobenzene	14.331	180	3581	1.930	ug/L	94

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

