

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055741.D
 Acq On : 11 Oct 2023 12:09
 Operator : MD/SY
 Sample : 04696-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Oct 12 02:12:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	420959	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	423927	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	214829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	158437	41.961	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.920%		
7) Chloroethane-d5	1.888	69	133231	43.166	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.340%		
11) 1,1-Dichloroethene-d2	2.557	63	224000	33.271	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.540%		
21) 2-Butanone-d5	4.615	46	256879	91.814	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.810%		
24) Chloroform-d	5.058	84	319605	44.153	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.300%		
26) 1,2-Dichloroethane-d4	5.695	65	215687	48.409	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.820%		
32) Benzene-d6	5.721	84	628758	46.356	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
36) 1,2-Dichloropropane-d6	6.685	67	200628	46.723	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.440%		
41) Toluene-d8	7.894	98	553565	45.198	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.400%		
43) trans-1,3-Dichloroprop...	8.174	79	94290	45.712	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.420%		
47) 2-Hexanone-d5	8.631	63	168560	99.853	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.850%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	331448	50.147	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.300%		
66) 1,2-Dichlorobenzene-d4	12.190	152	217681	51.061	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6108	1.743	ug/L	98
3) Chloromethane	1.518	50	7813	2.356	ug/L	97
5) Vinyl chloride	1.602	62	7770	2.129	ug/L #	63
6) Bromomethane	1.830	94	3954	1.695	ug/L	94
8) Chloroethane	1.911	64	4706	1.966	ug/L	98
9) Trichlorofluoromethane	2.126	101	10640	2.040	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	7728	2.304	ug/L #	84
12) 1,1-Dichloroethene	2.570	96	7969	2.670	ug/L #	1
13) Acetone	2.621	43	9697	3.735	ug/L	96
14) Carbon disulfide	2.785	76	16307	1.796	ug/L	96
15) Methyl Acetate	2.946	43	7593	1.910	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	5875	1.925	ug/L	81
18) Methyl tert-butyl Ether	3.357	73	18291	1.864	ug/L #	89
19) 1,1-Dichloroethane	3.865	63	11887	1.899	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	6237	1.791	ug/L	94
22) 2-Butanone	4.718	43	12760m	4.077	ug/L	
23) Bromochloromethane	4.972	128	3288	1.823	ug/L #	96
25) Chloroform	5.084	83	13528	2.069	ug/L	95
27) 1,2-Dichloroethane	5.791	62	10284	1.967	ug/L	99

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29) Cyclohexane	5.383	56	8413	1.731	ug/L #	85
30) 1,1,1-Trichloroethane	5.316	97	9970	1.820	ug/L #	83
31) Carbon tetrachloride	5.521	117	9045	1.887	ug/L	95
33) Benzene	5.772	78	25541	1.906	ug/L	100
34) Trichloroethene	6.544	95	6789	1.852	ug/L	97
35) Methylcyclohexane	6.762	83	9923	1.865	ug/L	94
37) 1,2-Dichloropropane	6.788	63	7598	2.059	ug/L #	97
38) Bromodichloromethane	7.103	83	9771	2.008	ug/L	88
39) cis-1,3-Dichloropropene	7.605	75	10060	1.792	ug/L	99
40) 4-Methyl-2-pentanone	7.791	43	18891	3.680	ug/L	96
42) Toluene	7.968	91	26846	1.899	ug/L	95
44) trans-1,3-Dichloropropene	8.209	75	10486	1.952	ug/L	97
45) 1,1,2-Trichloroethane	8.399	97	6969	1.915	ug/L	94
46) Tetrachloroethene	8.553	164	4431	1.688	ug/L	77
48) 2-Hexanone	8.682	43	42085	9.706	ug/L #	89
49) Dibromochloromethane	8.804	129	6893	1.854	ug/L	92
50) 1,2-Dibromoethane	8.923	107	7005	1.792	ug/L #	98
51) Chlorobenzene	9.447	112	17027	1.861	ug/L	96
52) Ethylbenzene	9.569	91	26507	1.715	ug/L	96
53) m,p-Xylene	9.695	106	10865	1.876	ug/L	76
54) o-Xylene	10.100	106	9712	1.733	ug/L	99
55) Styrene	10.116	104	15089	1.589	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	14877	2.388	ug/L #	93
59) Bromoform	10.290	173	5442	2.058	ug/L #	85
60) 1,2,3-Trichloropropane	10.820	75	11523	2.471	ug/L	93
61) Isopropylbenzene	10.483	105	24239	1.810	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	18311	1.690	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	17772	1.658	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	13113	1.981	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	13867	2.037	ug/L #	91
67) 1,2-Dichlorobenzene	12.209	146	14369	2.187	ug/L	93
68) 1,2-Dibromo-3-chloropr...	13.003	75	2433	1.745	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.222	180	7969	1.805	ug/L	94
70) 1,2,4-trichlorobenzene	13.843	180	6515	1.771	ug/L	93
71) Naphthalene	14.093	128	20504	1.876	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.331	180	6097	1.681	ug/L	90

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

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