

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054803.D
 Acq On : 18 Jul 2023 12:51
 Operator : MD/SY
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 19 04:01:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	237450	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	227502	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	124558	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80474	43.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.700%		
7) Chloroethane-d5	1.879	69	81427	44.353	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.700%		
11) 1,1-Dichloroethene-d2	2.554	63	86988	33.043	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.080%		
21) 2-Butanone-d5	4.618	46	114583	97.134	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.130%		
24) Chloroform-d	5.055	84	128643	45.030	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.060%		
26) 1,2-Dichloroethane-d4	5.695	65	81179	47.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
32) Benzene-d6	5.721	84	263161	48.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.120%		
36) 1,2-Dichloropropane-d6	6.685	67	89528	49.063	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.120%		
41) Toluene-d8	7.894	98	253116	49.016	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.040%		
43) trans-1,3-Dichloroprop...	8.177	79	43570	46.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.360%		
47) 2-Hexanone-d5	8.627	63	82395	95.523	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.520%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	157404	46.963	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.920%		
66) 1,2-Dichlorobenzene-d4	12.190	152	105395	49.241	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4724	2.632	ug/L	96
3) Chloromethane	1.518	50	7181	3.509	ug/L	95
5) Vinyl chloride	1.602	62	7381m	2.774	ug/L	
6) Bromomethane	1.827	94	5409	3.340	ug/L	99
8) Chloroethane	1.904	64	5051m	2.744	ug/L	
9) Trichlorofluoromethane	2.120	101	11017	2.587	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4781	3.043	ug/L #	39
12) 1,1-Dichloroethene	2.567	96	4640	3.141	ug/L #	1
13) Acetone	2.621	43	4957m	4.996	ug/L	
14) Carbon disulfide	2.782	76	11253	2.608	ug/L	98
15) Methyl Acetate	2.946	43	4402	2.660	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	3834	2.507	ug/L	81
18) Methyl tert-butyl Ether	3.364	73	13328	2.518	ug/L #	86
19) 1,1-Dichloroethane	3.856	63	7231	2.478	ug/L	91
20) cis-1,2-Dichloroethene	4.660	96	4462	2.455	ug/L	89
22) 2-Butanone	4.714	43	7309m	5.336	ug/L	
23) Bromochloromethane	4.972	128	2246	2.429	ug/L #	83
25) Chloroform	5.078	83	8532m	2.788	ug/L	
27) 1,2-Dichloroethane	5.792	62	6525	2.808	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	6279	2.510	ug/L #	80
30) 1,1,1-Trichloroethane	5.309	97	6804	2.695	ug/L #	87
31) Carbon tetrachloride	5.515	117	5328m	2.444	ug/L	
33) Benzene	5.772	78	17283	2.651	ug/L	100
34) Trichloroethene	6.538	95	4159	2.507	ug/L	80
35) Methylcyclohexane	6.756	83	7725	2.849	ug/L	91
37) 1,2-Dichloropropane	6.785	63	5108	2.849	ug/L #	88
38) Bromodichloromethane	7.103	83	5364	2.332	ug/L	90
39) cis-1,3-Dichloropropene	7.605	75	7641m	2.584	ug/L	
40) 4-Methyl-2-pentanone	7.792	43	13894	5.062	ug/L	98
42) Toluene	7.968	91	17701	2.427	ug/L	92
44) trans-1,3-Dichloropropene	8.206	75	7346	2.644	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	4632	2.534	ug/L	90
46) Tetrachloroethene	8.550	164	3301	2.595	ug/L	96
48) 2-Hexanone	8.682	43	16325	7.179	ug/L #	85
49) Dibromochloromethane	8.808	129	4502	2.391	ug/L	96
50) 1,2-Dibromoethane	8.920	107	4824	2.452	ug/L #	87
51) Chlorobenzene	9.444	112	12810	2.700	ug/L	94
52) Ethylbenzene	9.570	91	22059	2.616	ug/L	99
53) m,p-Xylene	9.692	106	8297	2.584	ug/L	99
54) o-Xylene	10.100	106	7866	2.412	ug/L	97
55) Styrene	10.116	104	13297	2.341	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	9252	2.564	ug/L #	97
59) Bromoform	10.290	173	3137	2.013	ug/L #	57
60) 1,2,3-Trichloropropane	10.820	75	6389	2.629	ug/L #	89
61) Isopropylbenzene	10.479	105	21567	2.621	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	16682	2.461	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	16335	2.432	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	8583	2.249	ug/L	87
65) 1,4-Dichlorobenzene	11.833	146	10043	2.612	ug/L	93
67) 1,2-Dichlorobenzene	12.209	146	10200	2.660	ug/L	93
68) 1,2-Dibromo-3-chloropr...	13.000	75	1620	2.494	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.219	180	4052	1.584	ug/L #	61
70) 1,2,4-trichlorobenzene	13.839	180	3926	1.777	ug/L #	56
71) Naphthalene	14.090	128	19312	2.664	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.328	180	5858	2.723	ug/L #	43

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

