

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055719.D
 Acq On : 10 Oct 2023 14:22
 Operator : MD/SY
 Sample : 04696-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Oct 11 06:03:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	383068	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	386260	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	197702	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	160261	46.642	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.280%		
7) Chloroethane-d5	1.885	69	135302	48.174	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.340%		
11) 1,1-Dichloroethene-d2	2.557	63	221190	36.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.200%		
21) 2-Butanone-d5	4.615	46	251406	98.746	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.750%		
24) Chloroform-d	5.055	84	296200	44.967	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.940%		
26) 1,2-Dichloroethane-d4	5.695	65	195883	48.313	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.620%		
32) Benzene-d6	5.721	84	594709	48.121	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.240%		
36) 1,2-Dichloropropane-d6	6.685	67	192227	49.132	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.260%		
41) Toluene-d8	7.894	98	519855	46.585	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.160%		
43) trans-1,3-Dichloroprop...	8.174	79	89556	47.651	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.300%		
47) 2-Hexanone-d5	8.631	63	172650	112.249	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.250%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	317019	52.641	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.280%		
66) 1,2-Dichlorobenzene-d4	12.190	152	207912	52.994	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	7465	2.340	ug/L	98
3) Chloromethane	1.518	50	7927	2.626	ug/L	84
5) Vinyl chloride	1.602	62	9246	2.784	ug/L #	74
6) Bromomethane	1.830	94	5261	2.478	ug/L	97
8) Chloroethane	1.911	64	5971m	2.741	ug/L	
9) Trichlorofluoromethane	2.126	101	11857	2.499	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	8649	2.834	ug/L	89
12) 1,1-Dichloroethene	2.567	96	7657	2.820	ug/L #	1
13) Acetone	2.621	43	11935	5.052	ug/L	96
14) Carbon disulfide	2.785	76	21532	2.605	ug/L #	94
15) Methyl Acetate	2.943	43	9749	2.694	ug/L	93
17) trans-1,2-Dichloroethene	3.351	96	7309	2.632	ug/L	95
18) Methyl tert-butyl Ether	3.361	73	21347	2.390	ug/L #	78
19) 1,1-Dichloroethane	3.859	63	14189	2.492	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	8273	2.610	ug/L	82
22) 2-Butanone	4.711	43	16695m	5.863	ug/L	
23) Bromochloromethane	4.972	128	3928	2.393	ug/L	98
25) Chloroform	5.081	83	15701	2.639	ug/L	100
27) 1,2-Dichloroethane	5.791	62	11968	2.515	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	10286	2.323	ug/L	92
30) 1,1,1-Trichloroethane	5.312	97	12071	2.419	ug/L	97
31) Carbon tetrachloride	5.521	117	10192	2.333	ug/L	95
33) Benzene	5.769	78	30636	2.509	ug/L	100
34) Trichloroethene	6.541	95	8700	2.604	ug/L	89
35) Methylcyclohexane	6.759	83	12293	2.536	ug/L	92
37) 1,2-Dichloropropane	6.788	63	8790	2.614	ug/L #	95
38) Bromodichloromethane	7.103	83	10722	2.418	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	12338	2.412	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	25183	5.384	ug/L	95
42) Toluene	7.968	91	30377	2.358	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	12411	2.536	ug/L	95
45) 1,1,2-Trichloroethane	8.396	97	8649	2.609	ug/L	95
46) Tetrachloroethene	8.550	164	6059	2.533	ug/L	96
48) 2-Hexanone	8.685	43	44562	11.279	ug/L	97
49) Dibromochloromethane	8.807	129	8018	2.367	ug/L	96
50) 1,2-Dibromoethane	8.920	107	8554	2.402	ug/L #	93
51) Chlorobenzene	9.447	112	20685	2.481	ug/L	94
52) Ethylbenzene	9.569	91	32323	2.295	ug/L	96
53) m,p-Xylene	9.698	106	11915	2.258	ug/L	80
54) o-Xylene	10.100	106	12338	2.416	ug/L	76
55) Styrene	10.116	104	19176	2.217	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	17960	3.164	ug/L #	97
59) Bromoform	10.290	173	6357	2.612	ug/L #	92
60) 1,2,3-Trichloropropane	10.820	75	12972	3.023	ug/L	96
61) Isopropylbenzene	10.486	105	28986	2.352	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	22817	2.288	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	21814	2.212	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	15251	2.503	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	17308	2.763	ug/L	82
67) 1,2-Dichlorobenzene	12.209	146	17353	2.870	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.000	75	3581	2.792	ug/L	93
69) 1,3,5-Trichlorobenzene	13.219	180	9897	2.435	ug/L #	84
70) 1,2,4-trichlorobenzene	13.843	180	9514	2.811	ug/L	95
71) Naphthalene	14.090	128	27695	2.754	ug/L	98
72) 1,2,3-Trichlorobenzene	14.335	180	9492	2.844	ug/L	96

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

Manual Integrations

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