

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076776.D
 Acq On : 22 Feb 2023 17:16
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 00:47:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	222328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	411363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	361198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	146369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	187193	60.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.940%			
35) Dibromofluoromethane	8.178	113	141005	52.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	10.566	98	540342	53.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.420%			
62) 4-Bromofluorobenzene	12.848	95	158877	47.680	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	5000	2.118	ug/l #	59
3) Chloromethane	2.372	50	8493	2.757	ug/l	95
4) Vinyl Chloride	2.531	62	8820	2.910	ug/l #	85
5) Bromomethane	2.954	94	8193	4.461	ug/l #	80
6) Chloroethane	3.131	64	6465	3.375	ug/l #	69
7) Trichlorofluoromethane	3.501	101	11240	2.725	ug/l	100
8) Diethyl Ether	3.978	74	4458	2.805	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.384	101	7579	3.127	ug/l #	64
10) Methyl Iodide	4.595	142	6189	2.068	ug/l	92
11) Tert butyl alcohol	5.531	59	6344	15.655	ug/l #	81
12) 1,1-Dichloroethene	4.348	96	5952	2.594	ug/l #	70
13) Acrolein	4.184	56	7630	12.542	ug/l	90
14) Allyl chloride	5.037	41	10417	2.620	ug/l	92
15) Acrylonitrile	5.731	53	19942	13.866	ug/l	89
16) Acetone	4.443	43	21358	15.575	ug/l	95
17) Carbon Disulfide	4.731	76	16191	2.672	ug/l	96
18) Methyl Acetate	5.048	43	13621	3.043	ug/l #	87
19) Methyl tert-butyl Ether	5.813	73	23290	3.010	ug/l	96
20) Methylene Chloride	5.284	84	10260	3.570	ug/l	96
21) trans-1,2-Dichloroethene	5.801	96	6958	2.694	ug/l #	90
22) Diisopropyl ether	6.689	45	27545	2.954	ug/l #	87
23) Vinyl Acetate	6.613	43	81002m	14.680	ug/l	
24) 1,1-Dichloroethane	6.584	63	14313	2.800	ug/l	96
25) 2-Butanone	7.495	43	28583	14.130	ug/l	97
26) 2,2-Dichloropropane	7.501	77	9880	2.680	ug/l	94
27) cis-1,2-Dichloroethene	7.495	96	8510	2.777	ug/l	86
28) Bromochloromethane	7.819	49	6778	2.786	ug/l #	100
29) Tetrahydrofuran	7.848	42	21080	15.950	ug/l	98
30) Chloroform	7.978	83	14405	2.821	ug/l	93
31) Cyclohexane	8.260	56	20788	4.317	ug/l	90
32) 1,1,1-Trichloroethane	8.178	97	12436	2.896	ug/l #	50
36) 1,1-Dichloropropene	8.372	75	10535	2.707	ug/l	95
37) Ethyl Acetate	7.566	43	12979	3.169	ug/l #	94
38) Carbon Tetrachloride	8.378	117	10415	2.652	ug/l #	90
39) Methylcyclohexane	9.607	83	11232	2.539	ug/l	94
40) Benzene	8.613	78	33435	2.797	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	6517	2.747	ug/l #	94
42) 1,2-Dichloroethane	8.672	62	12554	3.011	ug/l	90
43) Isopropyl Acetate	8.695	43	19300	2.896	ug/l	96
44) Trichloroethene	9.354	130	8398	2.973	ug/l	77
45) 1,2-Dichloropropane	9.625	63	8925	2.821	ug/l #	85
46) Dibromomethane	9.713	93	6025	2.978	ug/l	95
47) Bromodichloromethane	9.883	83	10255	2.529	ug/l	92
48) Methyl methacrylate	9.683	41	8767	2.772	ug/l	91
49) 1,4-Dioxane	9.689	88	3041	55.595	ug/l #	90
51) 4-Methyl-2-Pentanone	10.448	43	61603	14.529	ug/l	92
52) Toluene	10.630	92	20285	2.811	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	10344	2.642	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	10934	2.422	ug/l #	80
55) 1,1,2-Trichloroethane	11.024	97	8885	3.028	ug/l #	79
56) Ethyl methacrylate	10.877	69	9888	2.394	ug/l	89
57) 1,3-Dichloropropane	11.166	76	15093	2.994	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.166	63	21713	11.478	ug/l	99
59) 2-Hexanone	11.201	43	40956	13.397	ug/l	96
60) Dibromochloromethane	11.366	129	7620	2.464	ug/l	87
61) 1,2-Dibromoethane	11.472	107	7870	2.679	ug/l	92
64) Tetrachloroethene	11.107	164	6082	2.672	ug/l	89
65) Chlorobenzene	11.895	112	19491	2.546	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.960	131	7467	2.686	ug/l	89
67) Ethyl Benzene	11.966	91	32701	2.508	ug/l	98
68) m/p-Xylenes	12.077	106	24175	4.809	ug/l	90
69) o-Xylene	12.395	106	12921	2.636	ug/l	85
70) Styrene	12.407	104	18322	2.311	ug/l #	88
71) Bromoform	12.589	173	4968	2.436	ug/l #	92
73) Isopropylbenzene	12.701	105	29610	2.760	ug/l	96
74) N-amyl acetate	12.501	43	12525	2.590	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	13420	3.456	ug/l #	95
76) 1,2,3-Trichloropropane	12.995	75	9427m	3.186	ug/l	
77) Bromobenzene	12.983	156	8415	3.144	ug/l	95
78) n-propylbenzene	13.042	91	36038	2.861	ug/l	92
79) 2-Chlorotoluene	13.124	91	22755	2.950	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	26143	2.949	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.748	75	3285	3.233	ug/l #	92
82) 4-Chlorotoluene	13.124	91	22755	2.950	ug/l	100
83) tert-Butylbenzene	13.436	119	21177	2.640	ug/l	95
84) 1,2,4-Trimethylbenzene	13.489	105	22198	2.512	ug/l	98
85) sec-Butylbenzene	13.624	105	29574	2.641	ug/l	93
86) p-Isopropyltoluene	13.730	119	20859	2.333	ug/l	94
87) 1,3-Dichlorobenzene	13.730	146	13363	2.641	ug/l	95
88) 1,4-Dichlorobenzene	13.813	146	13598m	2.699	ug/l	
89) n-Butylbenzene	14.060	91	19598	2.520	ug/l	98
90) Hexachloroethane	14.336	117	5152	2.752	ug/l	97
91) 1,2-Dichlorobenzene	14.113	146	13982	2.695	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	1701	2.261	ug/l	83
93) 1,2,4-Trichlorobenzene	15.401	180	5378	2.078	ug/l	84
94) Hexachlorobutadiene	15.501	225	3137	2.474	ug/l	86
95) Naphthalene	15.636	128	15717	2.002	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.848	180	6254	2.495	ug/l	96

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

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