

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076921.D
 Acq On : 10 Mar 2023 13:22
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 13:40:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:19:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	402223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	660196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	597691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	282548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	429659	76.190	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 152.380%#			
35) Dibromofluoromethane	8.178	113	320874	77.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 155.380%#			
50) Toluene-d8	10.572	98	1189068	74.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 149.460%#			
62) 4-Bromofluorobenzene	12.848	95	452467	82.063	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 164.120%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	564057	120.517	ug/l	98
3) Chloromethane	2.378	50	278971	45.318	ug/l	97
4) Vinyl Chloride	2.531	62	264015	46.791	ug/l	98
5) Bromomethane	2.948	94	182783	49.300	ug/l	91
6) Chloroethane	3.125	64	160982	41.909	ug/l	97
7) Trichlorofluoromethane	3.507	101	695921	84.532	ug/l	98
8) Diethyl Ether	3.978	74	228525	72.161	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.384	101	348043	72.304	ug/l	99
10) Methyl Iodide	4.601	142	442516	88.140	ug/l #	88
11) Tert butyl alcohol	5.537	59	303277	362.160	ug/l	99
12) 1,1-Dichloroethene	4.348	96	328137	73.105	ug/l	89
13) Acrolein	4.190	56	269570	248.836	ug/l	99
14) Allyl chloride	5.037	41	470125	62.735	ug/l #	85
15) Acrylonitrile	5.731	53	848149	314.934	ug/l	100
16) Acetone	4.437	43	707819	287.547	ug/l	95
17) Carbon Disulfide	4.725	76	916414	75.204	ug/l	97
18) Methyl Acetate	5.037	43	546134	64.747	ug/l	90
19) Methyl tert-butyl Ether	5.807	73	1196712	77.750	ug/l	99
20) Methylene Chloride	5.284	84	371152	64.625	ug/l	91
21) trans-1,2-Dichloroethene	5.801	96	341248	70.314	ug/l #	83
22) Diisopropyl ether	6.684	45	1008851	59.839	ug/l	97
23) Vinyl Acetate	6.613	43	3329148	310.009	ug/l	95
24) 1,1-Dichloroethane	6.584	63	646907	67.289	ug/l	98
25) 2-Butanone	7.489	43	1044800	290.560	ug/l	89
26) 2,2-Dichloropropane	7.501	77	584609	83.035	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	399767	70.314	ug/l	89
28) Bromochloromethane	7.825	49	237216	58.350	ug/l	88
29) Tetrahydrofuran	7.842	42	659609	284.356	ug/l	89
30) Chloroform	7.972	83	695685	72.858	ug/l	99
31) Cyclohexane	8.266	56	592533	62.199	ug/l	90
32) 1,1,1-Trichloroethane	8.178	97	678424	82.048	ug/l	98
36) 1,1-Dichloropropene	8.378	75	513713	77.390	ug/l	95
37) Ethyl Acetate	7.566	43	422140	61.956	ug/l	97
38) Carbon Tetrachloride	8.372	117	603710	89.527	ug/l	98
39) Methylcyclohexane	9.607	83	647403	79.126	ug/l #	88
40) Benzene	8.613	78	1476646	73.028	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	224498	60.337	ug/l	91
42) 1,2-Dichloroethane	8.678	62	564972	80.208	ug/l	94
43) Isopropyl Acetate	8.695	43	730620	70.045	ug/l	93
44) Trichloroethene	9.354	130	382255	79.731	ug/l	99
45) 1,2-Dichloropropane	9.624	63	361618	69.205	ug/l	99
46) Dibromomethane	9.713	93	255461	76.973	ug/l	96
47) Bromodichloromethane	9.889	83	557544	81.717	ug/l	98
48) Methyl methacrylate	9.683	41	361305	71.284	ug/l	84
49) 1,4-Dioxane	9.701	88	131922	1420.048	ug/l #	87
51) 4-Methyl-2-Pentanone	10.448	43	2125866	323.114	ug/l	95
52) Toluene	10.630	92	934607	77.625	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	588307	88.954	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	628412	82.722	ug/l #	91
55) 1,1,2-Trichloroethane	11.019	97	353757	73.861	ug/l	98
56) Ethyl methacrylate	10.877	69	575599	80.660	ug/l #	87
57) 1,3-Dichloropropane	11.166	76	617995	74.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	915397	370.218	ug/l	96
59) 2-Hexanone	11.195	43	1560252	327.267	ug/l	92
60) Dibromochloromethane	11.360	129	407402	86.321	ug/l	99
61) 1,2-Dibromoethane	11.471	107	362619	78.772	ug/l	99
64) Tetrachloroethene	11.107	164	365624	82.201	ug/l	98
65) Chlorobenzene	11.895	112	953211	73.797	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	381247	81.595	ug/l	96
67) Ethyl Benzene	11.966	91	1858556	79.244	ug/l	96
68) m/p-Xylenes	12.071	106	1365177	154.711	ug/l	86
69) o-Xylene	12.401	106	671296	77.253	ug/l	82
70) Styrene	12.413	104	1118746	82.116	ug/l #	92
71) Bromoform	12.583	173	290844	91.448	ug/l #	98
73) Isopropylbenzene	12.695	105	1824900	74.096	ug/l	95
74) N-amyl acetate	12.495	43	620773	64.447	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	474967	60.175	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	455068m	63.862	ug/l	
77) Bromobenzene	12.983	156	396048	72.668	ug/l	91
78) n-propylbenzene	13.036	91	2135634	76.038	ug/l	96
79) 2-Chlorotoluene	13.130	91	1297315	72.006	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	1600476	77.535	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.742	75	153543	71.064	ug/l #	88
82) 4-Chlorotoluene	13.224	91	1282115	75.064	ug/l	92
83) tert-Butylbenzene	13.442	119	1334868	75.676	ug/l	89
84) 1,2,4-Trimethylbenzene	13.483	105	1585691	77.876	ug/l	91
85) sec-Butylbenzene	13.618	105	1894699	76.934	ug/l	98
86) p-Isopropyltoluene	13.730	119	1586605	80.546	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	746130	74.977	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	736120	72.851	ug/l	97
89) n-Butylbenzene	14.060	91	1381310	81.170	ug/l	98
90) Hexachloroethane	14.336	117	284710	79.997	ug/l	86
91) 1,2-Dichlorobenzene	14.107	146	734245	72.839	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	121049	80.934	ug/l	83
93) 1,2,4-Trichlorobenzene	15.395	180	446079	88.456	ug/l	99
94) Hexachlorobutadiene	15.506	225	232508	88.549	ug/l	98
95) Naphthalene	15.642	128	1382564	85.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	424372	85.617	ug/l	98

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

