

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076948.D
 Acq On : 11 Mar 2023 00:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Mar 13 01:29:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	396801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	667626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	595672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	282811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	304684	51.455	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.920%			
35) Dibromofluoromethane	8.172	113	231613	52.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	10.572	98	860150	52.453	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.900%			
62) 4-Bromofluorobenzene	12.854	95	331390	55.249	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	335015	46.874	ug/l	100
3) Chloromethane	2.378	50	228866	59.175	ug/l	97
4) Vinyl Chloride	2.531	62	205620	57.276	ug/l	93
5) Bromomethane	2.954	94	118432	44.849	ug/l	87
6) Chloroethane	3.131	64	102086	44.794	ug/l	100
7) Trichlorofluoromethane	3.507	101	466256	50.054	ug/l	97
8) Diethyl Ether	3.978	74	147913	49.354	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.390	101	223205	46.900	ug/l	98
10) Methyl Iodide	4.607	142	184118	36.963	ug/l	92
11) Tert butyl alcohol	5.531	59	189038	229.493	ug/l	100
12) 1,1-Dichloroethene	4.354	96	214857	48.987	ug/l	92
13) Acrolein	4.190	56	164331	221.948	ug/l	99
14) Allyl chloride	5.037	41	293110	46.584	ug/l	89
15) Acrylonitrile	5.731	53	525056	225.542	ug/l	99
16) Acetone	4.437	43	419764	204.577	ug/l	94
17) Carbon Disulfide	4.725	76	612572	50.419	ug/l	97
18) Methyl Acetate	5.037	43	337979	44.663	ug/l	92
19) Methyl tert-butyl Ether	5.807	73	808967	51.871	ug/l	99
20) Methylene Chloride	5.290	84	243739	46.199	ug/l	89
21) trans-1,2-Dichloroethene	5.801	96	226956	48.811	ug/l	86
22) Diisopropyl ether	6.684	45	669711	48.110	ug/l	97
23) Vinyl Acetate	6.613	43	2198653	256.480	ug/l	94
24) 1,1-Dichloroethane	6.584	63	433334	48.734	ug/l	98
25) 2-Butanone	7.489	43	638152	218.677	ug/l #	87
26) 2,2-Dichloropropane	7.495	77	357026	45.372	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	262467	48.918	ug/l	89
28) Bromochloromethane	7.819	49	162047	50.380	ug/l	92
29) Tetrahydrofuran	7.842	42	415190	229.538	ug/l	89
30) Chloroform	7.972	83	464460	48.614	ug/l	97
31) Cyclohexane	8.266	56	395591	46.564	ug/l	91
32) 1,1,1-Trichloroethane	8.178	97	461776	51.553	ug/l	98
36) 1,1-Dichloropropene	8.378	75	342726	49.803	ug/l	95
37) Ethyl Acetate	7.566	43	272508	49.517	ug/l	95
38) Carbon Tetrachloride	8.372	117	403652	50.118	ug/l	100
39) Methylcyclohexane	9.607	83	422663	50.597	ug/l #	85
40) Benzene	8.613	78	1018210	50.196	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	153506	46.876	ug/l	89
42) 1,2-Dichloroethane	8.678	62	377434	47.703	ug/l	94
43) Isopropyl Acetate	8.695	43	488578	50.292	ug/l	93
44) Trichloroethene	9.354	130	251061	47.892	ug/l	99
45) 1,2-Dichloropropane	9.625	63	244297	48.949	ug/l	97
46) Dibromomethane	9.713	93	171362	49.163	ug/l	96
47) Bromodichloromethane	9.889	83	382494	51.726	ug/l	96
48) Methyl methacrylate	9.683	41	235718	49.521	ug/l #	85
49) 1,4-Dioxane	9.695	88	82354	913.712	ug/l #	86
51) 4-Methyl-2-Pentanone	10.448	43	1373446	235.344	ug/l	95
52) Toluene	10.636	92	682101	54.637	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	384169	52.111	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	412168	50.910	ug/l	93
55) 1,1,2-Trichloroethane	11.019	97	238601	49.121	ug/l	99
56) Ethyl methacrylate	10.877	69	384311	52.163	ug/l #	87
57) 1,3-Dichloropropane	11.166	76	414014	48.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	596560	254.278	ug/l	97
59) 2-Hexanone	11.201	43	987152	231.990	ug/l	93
60) Dibromochloromethane	11.360	129	281403	52.583	ug/l	97
61) 1,2-Dibromoethane	11.472	107	249918	51.334	ug/l	98
64) Tetrachloroethene	11.107	164	213734	44.334	ug/l	99
65) Chlorobenzene	11.895	112	649903	48.777	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	264336	50.820	ug/l	95
67) Ethyl Benzene	11.966	91	1268596	51.778	ug/l	96
68) m/p-Xylenes	12.072	106	945589	102.685	ug/l	86
69) o-Xylene	12.401	106	464422	51.949	ug/l	83
70) Styrene	12.413	104	753731	52.187	ug/l #	91
71) Bromoform	12.577	173	197510	52.397	ug/l #	99
73) Isopropylbenzene	12.701	105	1247452	49.501	ug/l	96
74) N-amyl acetate	12.495	43	417746	50.067	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.942	83	338197	45.609	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	311454m	45.424	ug/l	
77) Bromobenzene	12.983	156	267220	47.433	ug/l	91
78) n-propylbenzene	13.036	91	1426909	50.848	ug/l	96
79) 2-Chlorotoluene	13.130	91	887880	48.790	ug/l	91
80) 1,3,5-Trimethylbenzene	13.177	105	1101090	51.293	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.742	75	97699	46.544	ug/l #	87
82) 4-Chlorotoluene	13.224	91	859577	49.988	ug/l	90
83) tert-Butylbenzene	13.442	119	919629	50.427	ug/l	90
84) 1,2,4-Trimethylbenzene	13.483	105	1081090	50.338	ug/l	91
85) sec-Butylbenzene	13.618	105	1287291	51.496	ug/l	97
86) p-Isopropyltoluene	13.730	119	1093790	54.184	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	503483	49.037	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	496065	48.163	ug/l	97
89) n-Butylbenzene	14.060	91	932142	55.336	ug/l	98
90) Hexachloroethane	14.336	117	188078	48.488	ug/l	85
91) 1,2-Dichlorobenzene	14.107	146	488358	47.347	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	80292	49.044	ug/l	84
93) 1,2,4-Trichlorobenzene	15.395	180	301916	52.659	ug/l	98
94) Hexachlorobutadiene	15.507	225	154044	50.429	ug/l	98
95) Naphthalene	15.642	128	973099	57.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	292437	52.526	ug/l	98

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

