

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061722\
 Data File : VN072911.D
 Acq On : 17 Jun 2022 14:38
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/20/2022
 Supervised By :Mahesh Dadoda 06/20/2022

Quant Time: Jun 18 05:44:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 05:42:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	336053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	564094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	480116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	214163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	42487	7.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	14.680%#		
35) Dibromofluoromethane	7.951	113	34251	7.223	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	14.440%#		
50) Toluene-d8	10.375	98	122479	6.602	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	13.200%#		
62) 4-Bromofluorobenzene	12.669	95	43453	6.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	13.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	31161	7.080	ug/l	95
3) Chloromethane	2.269	50	29075	5.812	ug/l	93
4) Vinyl Chloride	2.404	62	24883	6.395	ug/l	98
5) Bromomethane	2.810	94	12151	8.200	ug/l	93
6) Chloroethane	2.975	64	14927	6.459	ug/l	98
7) Trichlorofluoromethane	3.316	101	45021	6.270	ug/l	94
8) Diethyl Ether	3.775	74	20985	6.726	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.140	101	29560	7.004	ug/l	97
10) Methyl Iodide	4.357	142	30647	6.026	ug/l	95
11) Tert butyl alcohol	5.298	59	53585	35.195	ug/l	99
12) 1,1-Dichloroethene	4.110	96	28351	6.389	ug/l	89
13) Acrolein	3.993	56	22569	44.819	ug/l	98
14) Allyl chloride	4.763	41	58674	6.513	ug/l #	94
15) Acrylonitrile	5.481	53	118709	35.535	ug/l	100
16) Acetone	4.234	43	107036	35.780	ug/l	99
17) Carbon Disulfide	4.463	76	71306	5.994	ug/l	97
18) Methyl Acetate	4.781	43	55839	6.537	ug/l	91
19) Methyl tert-butyl Ether	5.540	73	107513	6.632	ug/l	96
20) Methylene Chloride	5.022	84	35061	6.617	ug/l	98
21) trans-1,2-Dichloroethene	5.522	96	31003	6.595	ug/l	95
22) Diisopropyl ether	6.416	45	114360	6.856	ug/l	94
23) Vinyl Acetate	6.357	43	523720	34.575	ug/l	94
24) 1,1-Dichloroethane	6.310	63	60693	6.962	ug/l	99
25) 2-Butanone	7.269	43	169552	35.517	ug/l	97
26) 2,2-Dichloropropane	7.251	77	51587	6.538	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	36900	6.482	ug/l	97
28) Bromochloromethane	7.587	49	25390	6.757	ug/l	90
29) Tetrahydrofuran	7.616	42	116602	36.941	ug/l	89
30) Chloroform	7.745	83	58998	6.545	ug/l	96
31) Cyclohexane	8.028	56	58686	7.522	ug/l #	91
32) 1,1,1-Trichloroethane	7.939	97	52663	6.642	ug/l	99
36) 1,1-Dichloropropene	8.151	75	43335	6.571	ug/l	97
37) Ethyl Acetate	7.339	43	70192	7.356	ug/l	98
38) Carbon Tetrachloride	8.128	117	42675	6.034	ug/l	98
39) Methylcyclohexane	9.392	83	52947	6.476	ug/l	100
40) Benzene	8.386	78	136460	6.501	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	32865	6.625	ug/l #	85
42) 1,2-Dichloroethane	8.463	62	49303	6.522	ug/l	100
43) Isopropyl Acetate	8.492	43	96218	6.466	ug/l	95
44) Trichloroethene	9.145	130	33294	5.962	ug/l	91
45) 1,2-Dichloropropane	9.428	63	35168	6.630	ug/l	98
46) Dibromomethane	9.510	93	23833	6.501	ug/l	93
47) Bromodichloromethane	9.698	83	44389	5.987	ug/l	92
48) Methyl methacrylate	9.492	41	43374	6.399	ug/l	92
49) 1,4-Dioxane	9.504	88	19884	138.079	ug/l #	90
51) 4-Methyl-2-Pentanone	10.269	43	320447	33.213	ug/l	92
52) Toluene	10.439	92	80847	5.977	ug/l	97
53) t-1,3-Dichloropropene	10.651	75	48668	5.775	ug/l	97
54) cis-1,3-Dichloropropene	10.122	75	54884	6.268	ug/l	91
55) 1,1,2-Trichloroethane	10.833	97	35232	6.431	ug/l	95
56) Ethyl methacrylate	10.698	69	56359	6.081	ug/l #	86
57) 1,3-Dichloropropane	10.980	76	58952	6.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	136500	40.506	ug/l	97
59) 2-Hexanone	11.022	43	243189	33.985	ug/l	90
60) Dibromochloromethane	11.175	129	33977	5.825	ug/l	99
61) 1,2-Dibromoethane	11.280	107	34850	5.885	ug/l	96
64) Tetrachloroethene	10.910	164	27715	6.386	ug/l	95
65) Chlorobenzene	11.704	112	86654	7.176	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.774	131	32459	6.960	ug/l	99
67) Ethyl Benzene	11.780	91	157840	7.386	ug/l	100
68) m/p-Xylenes	11.892	106	119799	14.574	ug/l	98
69) o-Xylene	12.216	106	61038	7.242	ug/l	99
70) Styrene	12.233	104	94551	7.244	ug/l	99
71) Bromoform	12.398	173	23441	6.279	ug/l #	98
73) Isopropylbenzene	12.516	105	149805	7.500	ug/l	99
74) N-amyl acetate	12.327	43	75767	8.713	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.763	83	53643	8.160	ug/l	97
76) 1,2,3-Trichloropropane	12.816	75	51523m	8.412	ug/l	
77) Bromobenzene	12.792	156	36147	7.740	ug/l	90
78) n-propylbenzene	12.857	91	167137	8.012	ug/l	98
79) 2-Chlorotoluene	12.945	91	104345	7.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.992	105	127626	7.944	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	16932	7.741	ug/l	94
82) 4-Chlorotoluene	13.039	91	102283	8.136	ug/l	98
83) tert-Butylbenzene	13.257	119	111984	7.756	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	123792	8.010	ug/l	98
85) sec-Butylbenzene	13.433	105	154189	8.261	ug/l	98
86) p-Isopropyltoluene	13.551	119	126339	8.367	ug/l	99
87) 1,3-Dichlorobenzene	13.545	146	64315	8.381	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	65537	8.437	ug/l	97
89) n-Butylbenzene	13.874	91	100822	8.631	ug/l	98
90) Hexachloroethane	14.145	117	22938	7.118	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	67482	8.651	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.533	75	13635	8.362	ug/l	92
93) 1,2,4-Trichlorobenzene	15.192	180	36075	9.142	ug/l	97
94) Hexachlorobutadiene	15.298	225	16260	8.376	ug/l	97
95) Naphthalene	15.427	128	143074	10.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	38446	9.785	ug/l	99

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

