

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN072997.D
 Acq On : 22 Jun 2022 01:39
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/22/2022
 Supervised By : Mahesh Dadoda 06/23/2022

Quant Time: Jun 22 07:03:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	246613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	434217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	392424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	178128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	177317	53.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	7.951	113	139816	52.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.200%			
50) Toluene-d8	10.374	98	520330	52.102	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.668	95	189991	52.907	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	134425	57.249	ug/l	97
3) Chloromethane	2.269	50	118217	46.873	ug/l	98
4) Vinyl Chloride	2.410	62	116011	55.093	ug/l	99
5) Bromomethane	2.793	94	42077	50.760	ug/l	95
6) Chloroethane	2.963	64	74291	56.392	ug/l	99
7) Trichlorofluoromethane	3.316	101	223060	65.049	ug/l	99
8) Diethyl Ether	3.769	74	98217	55.498	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.151	101	131243	55.369	ug/l	96
10) Methyl Iodide	4.351	142	97104	35.740	ug/l	98
11) Tert butyl alcohol	5.287	59	214958	249.588	ug/l	100
12) 1,1-Dichloroethene	4.116	96	125337	53.084	ug/l	100
13) Acrolein	3.987	56	81384	239.930	ug/l	97
14) Allyl chloride	4.763	41	244608	48.489	ug/l #	92
15) Acrylonitrile	5.475	53	546530	275.279	ug/l	99
16) Acetone	4.222	43	498838	272.179	ug/l	95
17) Carbon Disulfide	4.463	76	269840	44.605	ug/l	98
18) Methyl Acetate	4.781	43	261231	53.525	ug/l #	89
19) Methyl tert-butyl Ether	5.534	73	508589	57.354	ug/l	100
20) Methylene Chloride	5.010	84	155341	54.667	ug/l	90
21) trans-1,2-Dichloroethene	5.516	96	130075	50.646	ug/l	93
22) Diisopropyl ether	6.416	45	563030	59.870	ug/l	95
23) Vinyl Acetate	6.351	43	2505028	288.560	ug/l	94
24) 1,1-Dichloroethane	6.310	63	280986	56.991	ug/l	100
25) 2-Butanone	7.263	43	783348	269.349	ug/l	91
26) 2,2-Dichloropropane	7.251	77	89494	21.537	ug/l	91
27) cis-1,2-Dichloroethene	7.251	96	166530	54.271	ug/l	97
28) Bromochloromethane	7.586	49	109633	53.767	ug/l	87
29) Tetrahydrofuran	7.610	42	520270	270.900	ug/l	88
30) Chloroform	7.745	83	286512	57.403	ug/l	98
31) Cyclohexane	8.022	56	227538	50.451	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	249153	56.884	ug/l	100
36) 1,1-Dichloropropene	8.145	75	195982	53.966	ug/l	98
37) Ethyl Acetate	7.333	43	318552	54.840	ug/l #	95
38) Carbon Tetrachloride	8.133	117	210211	55.031	ug/l	99
39) Methylcyclohexane	9.392	83	225868	51.600	ug/l	94
40) Benzene	8.386	78	621894	54.489	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	153372	55.679	ug/l #	86
42) 1,2-Dichloroethane	8.463	62	229339	56.575	ug/l	98
43) Isopropyl Acetate	8.492	43	466542	56.187	ug/l	93
44) Trichloroethene	9.145	130	154465	53.406	ug/l	97
45) 1,2-Dichloropropane	9.427	63	165599	56.764	ug/l	97
46) Dibromomethane	9.510	93	111526	56.538	ug/l	94
47) Bromodichloromethane	9.698	83	227045	57.915	ug/l	98
48) Methyl methacrylate	9.492	41	208329	54.953	ug/l	89
49) 1,4-Dioxane	9.504	88	81723	958.072	ug/l #	94
51) 4-Methyl-2-Pentanone	10.269	43	1525230	281.687	ug/l	92
52) Toluene	10.439	92	389848	55.637	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	209845	49.773	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	224977	48.853	ug/l #	89
55) 1,1,2-Trichloroethane	10.833	97	165546	53.807	ug/l	97
56) Ethyl methacrylate	10.698	69	278305	56.436	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	280599	54.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.975	63	612773	281.454	ug/l	96
59) 2-Hexanone	11.022	43	1164568	278.079	ug/l	90
60) Dibromochloromethane	11.174	129	173797	59.771	ug/l	99
61) 1,2-Dibromoethane	11.280	107	168906	55.688	ug/l	99
64) Tetrachloroethene	10.910	164	125492	52.567	ug/l	95
65) Chlorobenzene	11.704	112	410241	53.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.774	131	159425	54.655	ug/l	99
67) Ethyl Benzene	11.780	91	755838	56.025	ug/l	100
68) m/p-Xylenes	11.886	106	579393	109.496	ug/l	98
69) o-Xylene	12.216	106	294711	55.738	ug/l	99
70) Styrene	12.227	104	473908	55.813	ug/l	98
71) Bromoform	12.392	173	126816	57.660	ug/l #	99
73) Isopropylbenzene	12.516	105	758913	55.072	ug/l	99
74) N-amyl acetate	12.327	43	390115	54.552	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	265468	53.491	ug/l	99
76) 1,2,3-Trichloropropane	12.816	75	232344m	53.800	ug/l	
77) Bromobenzene	12.798	156	177362	53.724	ug/l	91
78) n-propylbenzene	12.857	91	864504	57.034	ug/l	98
79) 2-Chlorotoluene	12.939	91	531198	54.118	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	627550	55.440	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	63304	39.586	ug/l	98
82) 4-Chlorotoluene	13.039	91	515816	55.543	ug/l	98
83) tert-Butylbenzene	13.257	119	578581	55.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	630309	55.906	ug/l	97
85) sec-Butylbenzene	13.433	105	769457	55.639	ug/l	99
86) p-Isopropyltoluene	13.551	119	629734	56.244	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	317758	53.913	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	315756	52.931	ug/l	99
89) n-Butylbenzene	13.880	91	505171	55.255	ug/l	99
90) Hexachloroethane	14.139	117	123552	58.534	ug/l	87
91) 1,2-Dichlorobenzene	13.921	146	331340	53.906	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	62185	49.687	ug/l	93
93) 1,2,4-Trichlorobenzene	15.192	180	172216	50.627	ug/l	97
94) Hexachlorobutadiene	15.298	225	68203	46.074	ug/l	99
95) Naphthalene	15.433	128	664618	48.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	176674	48.638	ug/l	98

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

