

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073191.D
 Acq On : 28 Jun 2022 04:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 09:45:33 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	268665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	475821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	428124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	201222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	195870	53.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.840%			
35) Dibromofluoromethane	7.951	113	153715	52.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	10.380	98	566950	51.807	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.668	95	218740	55.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	119259	46.622	ug/l	97
3) Chloromethane	2.269	50	120871	44.026	ug/l	97
4) Vinyl Chloride	2.404	62	107766	46.977	ug/l	99
5) Bromomethane	2.787	94	37206	41.200	ug/l	97
6) Chloroethane	2.951	64	70232	48.935	ug/l	99
7) Trichlorofluoromethane	3.310	101	214211	57.341	ug/l	99
8) Diethyl Ether	3.763	74	98097	50.880	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.140	101	124818	48.336	ug/l	99
10) Methyl Iodide	4.345	142	136439	46.096	ug/l	96
11) Tert butyl alcohol	5.287	59	242280	258.221	ug/l	99
12) 1,1-Dichloroethene	4.116	96	118370	46.018	ug/l	97
13) Acrolein	3.981	56	85193	230.545	ug/l	99
14) Allyl chloride	4.757	41	255667	46.522	ug/l #	93
15) Acrylonitrile	5.475	53	576955	266.750	ug/l	99
16) Acetone	4.222	43	532396	266.646	ug/l	92
17) Carbon Disulfide	4.451	76	230628	34.994	ug/l	97
18) Methyl Acetate	4.775	43	285192	53.638	ug/l	91
19) Methyl tert-butyl Ether	5.534	73	527207	54.574	ug/l	100
20) Methylene Chloride	5.016	84	153824	49.668	ug/l	92
21) trans-1,2-Dichloroethene	5.516	96	126403	45.176	ug/l	94
22) Diisopropyl ether	6.410	45	560043	54.664	ug/l	94
23) Vinyl Acetate	6.351	43	2519034	266.356	ug/l	94
24) 1,1-Dichloroethane	6.304	63	279807	52.094	ug/l	97
25) 2-Butanone	7.257	43	844189	266.443	ug/l	91
26) 2,2-Dichloropropane	7.245	77	144331	32.165	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	171580	51.327	ug/l	98
28) Bromochloromethane	7.586	49	119176	53.650	ug/l	85
29) Tetrahydrofuran	7.610	42	554645	265.094	ug/l	88
30) Chloroform	7.745	83	286952	52.772	ug/l	99
31) Cyclohexane	8.022	56	218208	44.411	ug/l	95
32) 1,1,1-Trichloroethane	7.945	97	251188	52.641	ug/l	99
36) 1,1-Dichloropropene	8.151	75	187651	47.154	ug/l	99
37) Ethyl Acetate	7.339	43	325342	51.112	ug/l	96
38) Carbon Tetrachloride	8.133	117	207263	49.515	ug/l	97
39) Methylcyclohexane	9.392	83	213523	44.515	ug/l	96
40) Benzene	8.386	78	613603	49.062	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	172167	57.038	ug/l #	83
42) 1,2-Dichloroethane	8.463	62	234890	52.878	ug/l	98
43) Isopropyl Acetate	8.492	43	491411	54.008	ug/l	94
44) Trichloroethene	9.151	130	155050	48.921	ug/l	97
45) 1,2-Dichloropropane	9.422	63	164746	51.534	ug/l	99
46) Dibromomethane	9.510	93	110252	51.005	ug/l	95
47) Bromodichloromethane	9.698	83	230063	53.554	ug/l	99
48) Methyl methacrylate	9.492	41	218405	52.574	ug/l	90
49) 1,4-Dioxane	9.504	88	89904	961.825	ug/l #	93
51) 4-Methyl-2-Pentanone	10.269	43	1628014	274.380	ug/l	91
52) Toluene	10.439	92	386241	50.302	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	231685	50.148	ug/l	98
54) cis-1,3-Dichloropropene	10.127	75	246970	48.939	ug/l #	91
55) 1,1,2-Trichloroethane	10.839	97	170391	50.539	ug/l	96
56) Ethyl methacrylate	10.698	69	292615	54.149	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	287208	51.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	700368	293.561	ug/l	96
59) 2-Hexanone	11.021	43	1264511	275.543	ug/l	90
60) Dibromochloromethane	11.174	129	176542	55.406	ug/l	100
61) 1,2-Dibromoethane	11.280	107	171748	51.674	ug/l	96
64) Tetrachloroethene	10.910	164	141898	54.483	ug/l	94
65) Chlorobenzene	11.710	112	423186	50.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	161858	50.862	ug/l	99
67) Ethyl Benzene	11.780	91	761118	51.712	ug/l	99
68) m/p-Xylenes	11.892	106	567935	98.381	ug/l	95
69) o-Xylene	12.216	106	292673	50.737	ug/l	96
70) Styrene	12.233	104	491359	53.042	ug/l	99
71) Bromoform	12.398	173	132248	55.116	ug/l #	99
73) Isopropylbenzene	12.515	105	770211	49.477	ug/l	99
74) N-amyl acetate	12.327	43	411633	50.955	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.768	83	271483	48.425	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	223876m	45.889	ug/l	
77) Bromobenzene	12.798	156	180857	48.496	ug/l	88
78) n-propylbenzene	12.857	91	868817	50.740	ug/l	99
79) 2-Chlorotoluene	12.945	91	540364	48.734	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	630444	49.303	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	78345	43.369	ug/l	94
82) 4-Chlorotoluene	13.045	91	526466	50.184	ug/l	96
83) tert-Butylbenzene	13.262	119	575861	49.173	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	637153	50.027	ug/l	98
85) sec-Butylbenzene	13.439	105	793081	50.766	ug/l	99
86) p-Isopropyltoluene	13.551	119	636941	50.359	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	322791	48.481	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	323539	48.011	ug/l	98
89) n-Butylbenzene	13.880	91	522757	50.617	ug/l	99
90) Hexachloroethane	14.145	117	122673	51.447	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	339435	48.885	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.539	75	69683	49.287	ug/l	92
93) 1,2,4-Trichlorobenzene	15.192	180	180283	46.916	ug/l	98
94) Hexachlorobutadiene	15.298	225	77003	46.049	ug/l	99
95) Naphthalene	15.433	128	736439	47.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	188901	46.035	ug/l	98

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

