

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062522\
 Data File : VN073147.D
 Acq On : 26 Jun 2022 08:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 04:00:09 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	276775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	491141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	433350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	200834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	196832	52.602	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.200%			
35) Dibromofluoromethane	7.951	113	154175	50.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	10.380	98	569700	50.434	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.668	95	213052	52.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	129597	49.178	ug/l	100
3) Chloromethane	2.269	50	122274	43.242	ug/l	98
4) Vinyl Chloride	2.404	62	115792	48.996	ug/l	99
5) Bromomethane	2.787	94	44915	48.279	ug/l	99
6) Chloroethane	2.963	64	73978	50.035	ug/l	96
7) Trichlorofluoromethane	3.316	101	230249	59.828	ug/l	100
8) Diethyl Ether	3.769	74	101254	50.979	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.145	101	135234	50.835	ug/l	99
10) Methyl Iodide	4.351	142	139390	45.713	ug/l	98
11) Tert butyl alcohol	5.292	59	246810	255.341	ug/l	99
12) 1,1-Dichloroethene	4.116	96	131093	49.471	ug/l	97
13) Acrolein	3.981	56	54099	142.110	ug/l	98
14) Allyl chloride	4.763	41	258758	45.705	ug/l	93
15) Acrylonitrile	5.475	53	600336	269.427	ug/l	99
16) Acetone	4.222	43	558033	271.297	ug/l	95
17) Carbon Disulfide	4.457	76	260135	38.315	ug/l	98
18) Methyl Acetate	4.781	43	291597	53.236	ug/l	91
19) Methyl tert-butyl Ether	5.534	73	557986	56.068	ug/l	99
20) Methylene Chloride	5.010	84	164406	51.538	ug/l	95
21) trans-1,2-Dichloroethene	5.510	96	133726	46.393	ug/l	97
22) Diisopropyl ether	6.410	45	587985	55.710	ug/l	95
23) Vinyl Acetate	6.351	43	2623999	269.325	ug/l	94
24) 1,1-Dichloroethane	6.304	63	296333	53.554	ug/l	99
25) 2-Butanone	7.257	43	870957	266.837	ug/l	93
26) 2,2-Dichloropropane	7.245	77	94332	20.192	ug/l	92
27) cis-1,2-Dichloroethene	7.245	96	178860	51.937	ug/l	96
28) Bromochloromethane	7.581	49	104614	45.714	ug/l	87
29) Tetrahydrofuran	7.610	42	571578	265.182	ug/l	89
30) Chloroform	7.745	83	305695	54.572	ug/l	100
31) Cyclohexane	8.022	56	234352	46.299	ug/l	90
32) 1,1,1-Trichloroethane	7.945	97	267681	54.454	ug/l	99
36) 1,1-Dichloropropene	8.151	75	199135	48.479	ug/l	100
37) Ethyl Acetate	7.333	43	342409	52.115	ug/l	96
38) Carbon Tetrachloride	8.133	117	216646	50.142	ug/l	98
39) Methylcyclohexane	9.392	83	232498	46.959	ug/l	97
40) Benzene	8.386	78	642766	49.791	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	172888	55.490	ug/l #	84
42) 1,2-Dichloroethane	8.463	62	243650	53.139	ug/l	99
43) Isopropyl Acetate	8.492	43	507745	54.062	ug/l	95
44) Trichloroethene	9.145	130	163875	50.092	ug/l	95
45) 1,2-Dichloropropane	9.427	63	175844	53.290	ug/l	97
46) Dibromomethane	9.510	93	117372	52.605	ug/l	93
47) Bromodichloromethane	9.698	83	242307	54.645	ug/l	99
48) Methyl methacrylate	9.492	41	223186	52.049	ug/l	90
49) 1,4-Dioxane	9.498	88	90098	933.834	ug/l #	93
51) 4-Methyl-2-Pentanone	10.269	43	1679438	274.218	ug/l	91
52) Toluene	10.439	92	408242	51.509	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	230275	48.288	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	244479	46.935	ug/l #	91
55) 1,1,2-Trichloroethane	10.833	97	176046	50.588	ug/l	98
56) Ethyl methacrylate	10.698	69	302088	54.158	ug/l #	87
57) 1,3-Dichloropropane	10.980	76	299278	51.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	658602	267.444	ug/l	97
59) 2-Hexanone	11.021	43	1288274	271.964	ug/l	90
60) Dibromochloromethane	11.174	129	182111	55.371	ug/l	99
61) 1,2-Dibromoethane	11.280	107	180628	52.650	ug/l	99
64) Tetrachloroethene	10.916	164	143810	54.551	ug/l	97
65) Chlorobenzene	11.710	112	435589	51.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	172036	53.408	ug/l	98
67) Ethyl Benzene	11.780	91	804555	54.004	ug/l	98
68) m/p-Xylenes	11.892	106	601201	102.888	ug/l	96
69) o-Xylene	12.216	106	307245	52.621	ug/l	98
70) Styrene	12.233	104	511467	54.547	ug/l	99
71) Bromoform	12.398	173	137058	56.432	ug/l #	97
73) Isopropylbenzene	12.515	105	801026	51.556	ug/l	100
74) N-amyl acetate	12.327	43	414703	51.434	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.768	83	282256	50.443	ug/l	98
76) 1,2,3-Trichloropropane	12.821	75	266082m	54.646	ug/l	
77) Bromobenzene	12.798	156	186085	49.994	ug/l	90
78) n-propylbenzene	12.857	91	906494	53.043	ug/l	99
79) 2-Chlorotoluene	12.945	91	562601	50.837	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	665038	52.109	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	69436	38.512	ug/l	94
82) 4-Chlorotoluene	13.039	91	548655	52.400	ug/l	97
83) tert-Butylbenzene	13.263	119	600770	51.399	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	662911	52.150	ug/l	98
85) sec-Butylbenzene	13.439	105	822743	52.766	ug/l	99
86) p-Isopropyltoluene	13.551	119	669487	53.034	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	338525	50.943	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	338128	50.273	ug/l	99
89) n-Butylbenzene	13.880	91	554032	53.748	ug/l	99
90) Hexachloroethane	14.145	117	127036	53.380	ug/l	89
91) 1,2-Dichlorobenzene	13.921	146	351059	50.657	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	71933	50.980	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	193580	50.473	ug/l	97
94) Hexachlorobutadiene	15.298	225	79347	47.543	ug/l	98
95) Naphthalene	15.433	128	757919	48.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	198253	48.408	ug/l	98

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

