

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074290.D
 Acq On : 02 Sep 2022 16:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 03 04:39:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/03/2022
 Supervised By :Mahesh Dadoda 09/06/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	273090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	488717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	466882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	220555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	215157	50.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.080%			
35) Dibromofluoromethane	7.951	113	167808	51.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.640%			
50) Toluene-d8	10.380	98	682028	53.408	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.820%			
62) 4-Bromofluorobenzene	12.669	95	234919	50.258	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	113745	43.981	ug/l	94
3) Chloromethane	2.269	50	163682	43.871	ug/l	98
4) Vinyl Chloride	2.404	62	321729	46.339	ug/l	97
5) Bromomethane	2.793	94	229810	49.238	ug/l	95
6) Chloroethane	2.957	64	273331	49.989	ug/l	97
7) Trichlorofluoromethane	3.310	101	202289	41.224	ug/l	94
8) Diethyl Ether	3.757	74	90436	45.263	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.140	101	125705	42.244	ug/l	92
10) Methyl Iodide	4.340	142	96654	46.455	ug/l #	87
11) Tert butyl alcohol	5.281	59	174743	226.259	ug/l	99
12) 1,1-Dichloroethene	4.116	96	110974	41.283	ug/l	90
13) Acrolein	3.981	56	114123	219.548	ug/l	100
14) Allyl chloride	4.751	41	186897	43.234	ug/l #	84
15) Acrylonitrile	5.469	53	500905	235.827	ug/l	98
16) Acetone	4.216	43	388833	218.553	ug/l	96
17) Carbon Disulfide	4.451	76	284104	42.320	ug/l	100
18) Methyl Acetate	4.763	43	228389	42.653	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	536183	50.323	ug/l	94
20) Methylene Chloride	5.010	84	153013	46.702	ug/l	98
21) trans-1,2-Dichloroethene	5.510	96	139191	45.175	ug/l	98
22) Diisopropyl ether	6.404	45	526150	51.843	ug/l	97
23) Vinyl Acetate	6.345	43	2350786	266.494	ug/l	98
24) 1,1-Dichloroethane	6.298	63	281440	46.039	ug/l	98
25) 2-Butanone	7.257	43	737374	245.438	ug/l	97
26) 2,2-Dichloropropane	7.239	77	222157	44.730	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	185997	47.456	ug/l	99
28) Bromochloromethane	7.581	49	98952	46.717	ug/l	93
29) Tetrahydrofuran	7.610	42	484900	252.957	ug/l	96
30) Chloroform	7.739	83	329765	48.766	ug/l	96
31) Cyclohexane	8.022	56	248024	43.623	ug/l	97
32) 1,1,1-Trichloroethane	7.934	97	271898	48.476	ug/l	99
36) 1,1-Dichloropropene	8.145	75	221406	48.171	ug/l	97
37) Ethyl Acetate	7.334	43	298622	49.675	ug/l	97
38) Carbon Tetrachloride	8.133	117	229914	49.515	ug/l	97
39) Methylcyclohexane	9.392	83	276679	49.961	ug/l	96
40) Benzene	8.386	78	731307	50.435	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	135784	50.221	ug/l	97
42) 1,2-Dichloroethane	8.463	62	268217	49.728	ug/l	99
43) Isopropyl Acetate	8.492	43	467093	53.468	ug/l	97
44) Trichloroethene	9.145	130	170872	49.518	ug/l	99
45) 1,2-Dichloropropane	9.428	63	184986	51.288	ug/l	97
46) Dibromomethane	9.516	93	140199	50.978	ug/l #	85
47) Bromodichloromethane	9.698	83	264963	52.541	ug/l	99
48) Methyl methacrylate	9.498	41	212894	55.454	ug/l #	91
49) 1,4-Dioxane	9.504	88	102629	1038.703	ug/l	95
51) 4-Methyl-2-Pentanone	10.269	43	1683398	275.466	ug/l	97
52) Toluene	10.439	92	479804	53.547	ug/l	97
53) t-1,3-Dichloropropene	10.657	75	296099	57.669	ug/l	97
54) cis-1,3-Dichloropropene	10.127	75	305668	54.262	ug/l	96
55) 1,1,2-Trichloroethane	10.839	97	201872	52.510	ug/l	97
56) Ethyl methacrylate	10.698	69	333685	58.301	ug/l #	93
57) 1,3-Dichloropropane	10.986	76	349129	53.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	785556	280.554	ug/l	96
59) 2-Hexanone	11.022	43	1293098	279.583	ug/l	98
60) Dibromochloromethane	11.174	129	211445	55.421	ug/l	99
61) 1,2-Dibromoethane	11.286	107	206682	53.660	ug/l	97
64) Tetrachloroethene	10.916	164	146295	49.846	ug/l	97
65) Chlorobenzene	11.710	112	513582	50.114	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	192213	50.685	ug/l	97
67) Ethyl Benzene	11.780	91	963080	51.188	ug/l	97
68) m/p-Xylenes	11.892	106	724220	103.117	ug/l	96
69) o-Xylene	12.221	106	371129	52.945	ug/l	100
70) Styrene	12.233	104	619038	55.149	ug/l	99
71) Bromoform	12.398	173	153445	55.872	ug/l #	99
73) Isopropylbenzene	12.516	105	948224	49.097	ug/l	98
74) N-amyl acetate	12.327	43	442355	53.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.768	83	354450	49.463	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	277963m	44.499	ug/l	
77) Bromobenzene	12.798	156	208664	48.672	ug/l	84
78) n-propylbenzene	12.857	91	1127366	51.067	ug/l	97
79) 2-Chlorotoluene	12.945	91	645849	47.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	799513	51.631	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	105061	54.599	ug/l	95
82) 4-Chlorotoluene	13.039	91	627682	49.329	ug/l	100
83) tert-Butylbenzene	13.263	119	691487	49.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	804485	51.287	ug/l	96
85) sec-Butylbenzene	13.439	105	1006626	51.302	ug/l	98
86) p-Isopropyltoluene	13.557	119	818976	53.578	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	394767	50.302	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	398978	50.998	ug/l	98
89) n-Butylbenzene	13.880	91	714599	53.586	ug/l	95
90) Hexachloroethane	14.145	117	135346	45.518	ug/l	81
91) 1,2-Dichlorobenzene	13.927	146	406498	49.413	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	73669	47.357	ug/l	89
93) 1,2,4-Trichlorobenzene	15.192	180	206903	50.787	ug/l	99
94) Hexachlorobutadiene	15.304	225	84940	49.810	ug/l	99
95) Naphthalene	15.433	128	811016	50.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	205434	49.520	ug/l	98

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

