

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074450.D
 Acq On : 13 Sep 2022 22:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 14 08:08:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	181260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	343686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	325236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	164819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	171787	54.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	7.945	113	119076	51.321	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	10.380	98	454645	50.289	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.674	95	172376	52.516	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	114890	48.910	ug/l	93
3) Chloromethane	2.263	50	164722	58.792	ug/l	99
4) Vinyl Chloride	2.404	62	232265	59.185	ug/l	98
5) Bromomethane	2.781	94	183768	67.012	ug/l	98
6) Chloroethane	2.940	64	167509	70.777	ug/l	100
7) Trichlorofluoromethane	3.304	101	204762	52.842	ug/l	92
8) Diethyl Ether	3.763	74	82487	50.449	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.134	101	113868	49.038	ug/l	95
10) Methyl Iodide	4.346	142	138372	51.549	ug/l	98
11) Tert butyl alcohol	5.293	59	207954	253.516	ug/l	100
12) 1,1-Dichloroethene	4.104	96	110889	49.076	ug/l	92
13) Acrolein	3.975	56	121965	223.840	ug/l	98
14) Allyl chloride	4.757	41	238897	48.200	ug/l	97
15) Acrylonitrile	5.475	53	540505	288.013	ug/l	99
16) Acetone	4.216	43	494360	291.989	ug/l	100
17) Carbon Disulfide	4.457	76	307733	50.111	ug/l	97
18) Methyl Acetate	4.769	43	269997	54.097	ug/l	98
19) Methyl tert-butyl Ether	5.522	73	471249	51.817	ug/l	99
20) Methylene Chloride	5.010	84	141762	57.285	ug/l	98
21) trans-1,2-Dichloroethene	5.516	96	120929	47.762	ug/l	90
22) Diisopropyl ether	6.410	45	550214	55.135	ug/l	98
23) Vinyl Acetate	6.351	43	2506304	281.416	ug/l	99
24) 1,1-Dichloroethane	6.304	63	271235	52.896	ug/l	100
25) 2-Butanone	7.257	43	822460	289.390	ug/l	97
26) 2,2-Dichloropropane	7.251	77	130479	28.128	ug/l	98
27) cis-1,2-Dichloroethene	7.251	96	152650	48.936	ug/l	99
28) Bromochloromethane	7.581	49	90728	59.186	ug/l	97
29) Tetrahydrofuran	7.610	42	559252	297.678	ug/l	96
30) Chloroform	7.745	83	276322	53.986	ug/l	100
31) Cyclohexane	8.022	56	236125	47.342	ug/l	94
32) 1,1,1-Trichloroethane	7.939	97	238306	51.899	ug/l	96
36) 1,1-Dichloropropene	8.151	75	197646	51.707	ug/l	99
37) Ethyl Acetate	7.339	43	319895	57.692	ug/l	97
38) Carbon Tetrachloride	8.139	117	204251	51.759	ug/l	94
39) Methylcyclohexane	9.392	83	226750	46.805	ug/l	94
40) Benzene	8.392	78	608614	52.003	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	141184	51.314	ug/l	93
42) 1,2-Dichloroethane	8.463	62	237217	53.020	ug/l	99
43) Isopropyl Acetate	8.498	43	489837	54.018	ug/l	98
44) Trichloroethene	9.151	130	130691	49.811	ug/l	94
45) 1,2-Dichloropropane	9.428	63	161843	52.094	ug/l	97
46) Dibromomethane	9.516	93	115610	54.349	ug/l	94
47) Bromodichloromethane	9.698	83	217584	51.317	ug/l	92
48) Methyl methacrylate	9.498	41	228844	57.263	ug/l	92
49) 1,4-Dioxane	9.504	88	90536	1075.024	ug/l	94
51) 4-Methyl-2-Pentanone	10.275	43	1735932	292.728	ug/l	97
52) Toluene	10.445	92	384336	53.102	ug/l	100
53) t-1,3-Dichloropropene	10.663	75	225170	48.139	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	241100	48.351	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	157360	52.746	ug/l	94
56) Ethyl methacrylate	10.704	69	283380	55.903	ug/l	94
57) 1,3-Dichloropropane	10.986	76	282977	54.265	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	609968	258.671	ug/l	98
59) 2-Hexanone	11.027	43	1388802	303.476	ug/l	95
60) Dibromochloromethane	11.180	129	159741	52.885	ug/l	97
61) 1,2-Dibromoethane	11.292	107	158778	51.731	ug/l	98
64) Tetrachloroethene	10.916	164	98942	44.876	ug/l	93
65) Chlorobenzene	11.716	112	391290	49.894	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.786	131	148280	48.404	ug/l	99
67) Ethyl Benzene	11.786	91	754775	50.955	ug/l	98
68) m/p-Xylenes	11.898	106	575903	103.422	ug/l	98
69) o-Xylene	12.221	106	286268	51.143	ug/l	98
70) Styrene	12.239	104	481369	54.093	ug/l	97
71) Bromoform	12.404	173	112979	49.238	ug/l #	95
73) Isopropylbenzene	12.521	105	763265	48.201	ug/l	98
74) N-amyl acetate	12.333	43	453952	56.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.774	83	283260	47.599	ug/l	100
76) 1,2,3-Trichloropropane	12.827	75	226549m	52.580	ug/l	
77) Bromobenzene	12.804	156	158757	46.701	ug/l	98
78) n-propylbenzene	12.863	91	898709	49.540	ug/l	98
79) 2-Chlorotoluene	12.951	91	534940	48.366	ug/l	100
80) 1,3,5-Trimethylbenzene	13.004	105	642616	48.914	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	72688	37.603	ug/l	86
82) 4-Chlorotoluene	13.051	91	526946	49.378	ug/l	98
83) tert-Butylbenzene	13.268	119	552959	46.751	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	647447	49.722	ug/l	99
85) sec-Butylbenzene	13.445	105	793740	49.313	ug/l	100
86) p-Isopropyltoluene	13.557	119	642551	49.874	ug/l	100
87) 1,3-Dichlorobenzene	13.557	146	305878	48.667	ug/l	100
88) 1,4-Dichlorobenzene	13.639	146	300031	47.255	ug/l	99
89) n-Butylbenzene	13.886	91	560126	51.091	ug/l	98
90) Hexachloroethane	14.151	117	122432	44.983	ug/l	91
91) 1,2-Dichlorobenzene	13.933	146	315675	47.759	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.551	75	70500	52.574	ug/l	98
93) 1,2,4-Trichlorobenzene	15.204	180	146527	44.486	ug/l	96
94) Hexachlorobutadiene	15.310	225	63648	42.635	ug/l	96
95) Naphthalene	15.439	128	630479	48.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.633	180	153203	44.948	ug/l	98

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

