

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074424.D
 Acq On : 13 Sep 2022 11:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 17:12:27 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

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	200316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	361349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	348665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	176320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	172771	49.851	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.700%		
35) Dibromofluoromethane	7.945	113	126325	51.784	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.560%		
50) Toluene-d8	10.380	98	498066	52.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.800%		
62) 4-Bromofluorobenzene	12.674	95	186143	53.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	113208	43.609	ug/l	95
3) Chloromethane	2.263	50	159614	51.369	ug/l	91
4) Vinyl Chloride	2.404	62	223292	51.486	ug/l	95
5) Bromomethane	2.775	94	176312	58.177	ug/l	99
6) Chloroethane	2.934	64	173489	66.032	ug/l	91
7) Trichlorofluoromethane	3.293	101	328030	76.601	ug/l	99
8) Diethyl Ether	3.757	74	82017	45.390	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.134	101	124260	48.422	ug/l	95
10) Methyl Iodide	4.340	142	140205	47.263	ug/l	99
11) Tert butyl alcohol	5.287	59	219894	242.570	ug/l	99
12) 1,1-Dichloroethene	4.104	96	108719	43.538	ug/l	90
13) Acrolein	3.969	56	166593	276.659	ug/l	99
14) Allyl chloride	4.745	41	255319	46.613	ug/l	99
15) Acrylonitrile	5.469	53	547078	263.783	ug/l	99
16) Acetone	4.216	43	491243	262.546	ug/l	98
17) Carbon Disulfide	4.446	76	315787	46.531	ug/l	100
18) Methyl Acetate	4.769	43	280102	50.782	ug/l	100
19) Methyl tert-butyl Ether	5.528	73	480767	47.835	ug/l	99
20) Methylene Chloride	4.998	84	143023	52.162	ug/l	98
21) trans-1,2-Dichloroethene	5.498	96	123568	44.161	ug/l	96
22) Diisopropyl ether	6.404	45	561971	50.956	ug/l	96
23) Vinyl Acetate	6.345	43	2577081	261.836	ug/l	98
24) 1,1-Dichloroethane	6.298	63	274319	48.408	ug/l	97
25) 2-Butanone	7.257	43	851001	270.947	ug/l	100
26) 2,2-Dichloropropane	7.239	77	219692	42.854	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	148155	42.977	ug/l	91
28) Bromochloromethane	7.575	49	87598	51.594	ug/l #	20
29) Tetrahydrofuran	7.604	42	563715	271.510	ug/l	97
30) Chloroform	7.745	83	285766	50.520	ug/l	97
31) Cyclohexane	8.022	56	262452	47.615	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	246119	48.502	ug/l	97
36) 1,1-Dichloropropene	8.145	75	206434	51.366	ug/l	98
37) Ethyl Acetate	7.334	43	323338	55.463	ug/l	98
38) Carbon Tetrachloride	8.134	117	204540	49.299	ug/l	97
39) Methylcyclohexane	9.392	83	248025	48.694	ug/l	97
40) Benzene	8.386	78	633796	51.508	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	150351	51.975	ug/l #	72
42) 1,2-Dichloroethane	8.463	62	246012	52.298	ug/l	97
43) Isopropyl Acetate	8.492	43	502635	52.720	ug/l	97
44) Trichloroethene	9.151	130	138007	50.028	ug/l	100
45) 1,2-Dichloropropane	9.428	63	166866	51.085	ug/l	94
46) Dibromomethane	9.516	93	116269	51.987	ug/l	95
47) Bromodichloromethane	9.698	83	231851	52.009	ug/l	97
48) Methyl methacrylate	9.498	41	236088	56.188	ug/l	91
49) 1,4-Dioxane	9.504	88	96867	1093.976	ug/l	98
51) 4-Methyl-2-Pentanone	10.269	43	1811119	290.478	ug/l	97
52) Toluene	10.445	92	394570	51.851	ug/l	100
53) t-1,3-Dichloropropene	10.663	75	261689	53.212	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	264359	50.424	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	159668	50.903	ug/l	97
56) Ethyl methacrylate	10.704	69	293478	55.065	ug/l	93
57) 1,3-Dichloropropane	10.986	76	292723	53.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	627256	253.000	ug/l	100
59) 2-Hexanone	11.027	43	1442620	299.827	ug/l	96
60) Dibromochloromethane	11.180	129	170756	53.768	ug/l	100
61) 1,2-Dibromoethane	11.286	107	170107	52.713	ug/l	100
64) Tetrachloroethene	10.916	164	109496	46.325	ug/l	97
65) Chlorobenzene	11.710	112	414514	49.304	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.786	131	152335	46.386	ug/l	99
67) Ethyl Benzene	11.786	91	791425	49.839	ug/l	97
68) m/p-Xylenes	11.892	106	605501	101.431	ug/l	99
69) o-Xylene	12.221	106	298573	49.757	ug/l	98
70) Styrene	12.239	104	502350	52.657	ug/l	97
71) Bromoform	12.398	173	120758	49.091	ug/l #	99
73) Isopropylbenzene	12.521	105	791687	46.734	ug/l	99
74) N-amyl acetate	12.333	43	479057	55.741	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.769	83	297324	46.703	ug/l	99
76) 1,2,3-Trichloropropane	12.827	75	233765m	50.716	ug/l	
77) Bromobenzene	12.804	156	166234	45.710	ug/l	96
78) n-propylbenzene	12.863	91	964162	49.682	ug/l	98
79) 2-Chlorotoluene	12.951	91	559537	47.290	ug/l	99
80) 1,3,5-Trimethylbenzene	13.004	105	676724	48.151	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	97325	47.065	ug/l	91
82) 4-Chlorotoluene	13.045	91	552375	48.385	ug/l	100
83) tert-Butylbenzene	13.268	119	586637	46.363	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	682948	49.027	ug/l	99
85) sec-Butylbenzene	13.445	105	863173	50.129	ug/l	100
86) p-Isopropyltoluene	13.557	119	688488	49.954	ug/l	100
87) 1,3-Dichlorobenzene	13.557	146	328000	48.782	ug/l	99
88) 1,4-Dichlorobenzene	13.639	146	326281	48.037	ug/l	99
89) n-Butylbenzene	13.886	91	625374	53.322	ug/l	98
90) Hexachloroethane	14.151	117	129105	44.340	ug/l	93
91) 1,2-Dichlorobenzene	13.933	146	323651	45.771	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	73103	50.909	ug/l	95
93) 1,2,4-Trichlorobenzene	15.204	180	163528	46.410	ug/l	98
94) Hexachlorobutadiene	15.310	225	67303	42.143	ug/l	97
95) Naphthalene	15.439	128	653781	47.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.633	180	163489	44.837	ug/l	99

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

