

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074316.D
 Acq On : 03 Sep 2022 14:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 05:30:18 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 09/06/2022
 Supervised By : Mahesh Dadoda 09/07/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	320767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	577159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	556457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	264271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	245873	49.173	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.340%		
35) Dibromofluoromethane	7.945	113	192384	50.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.600%		
50) Toluene-d8	10.380	98	803599	53.286	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.580%		
62) 4-Bromofluorobenzene	12.668	95	269122	48.838	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.051	85	153676	50.589	ug/l	99
3) Chloromethane	2.269	50	182423	41.627	ug/l	98
4) Vinyl Chloride	2.410	62	335858	41.184	ug/l	99
5) Bromomethane	2.798	94	185321	33.804	ug/l	95
6) Chloroethane	2.963	64	297684	46.351	ug/l	99
7) Trichlorofluoromethane	3.316	101	261318	45.338	ug/l	98
8) Diethyl Ether	3.763	74	106100	45.210	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.140	101	160694	45.976	ug/l	91
10) Methyl Iodide	4.345	142	96655	40.300	ug/l	90
11) Tert butyl alcohol	5.281	59	189316	208.693	ug/l	98
12) 1,1-Dichloroethene	4.110	96	149182	47.248	ug/l	95
13) Acrolein	3.975	56	153998	252.225	ug/l	98
14) Allyl chloride	4.757	41	237213	46.718	ug/l #	88
15) Acrylonitrile	5.469	53	578695	231.955	ug/l	98
16) Acetone	4.216	43	456866	218.624	ug/l	98
17) Carbon Disulfide	4.457	76	364108	46.176	ug/l	99
18) Methyl Acetate	4.769	43	270952	43.081	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	606924	48.496	ug/l	97
20) Methylene Chloride	5.010	84	190228	49.468	ug/l	96
21) trans-1,2-Dichloroethene	5.510	96	171792	47.468	ug/l	91
22) Diisopropyl ether	6.410	45	639764	53.668	ug/l	98
23) Vinyl Acetate	6.351	43	2743440	264.781	ug/l	97
24) 1,1-Dichloroethane	6.298	63	352358	49.073	ug/l	99
25) 2-Butanone	7.251	43	850503	241.016	ug/l	97
26) 2,2-Dichloropropane	7.245	77	265172	45.455	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	226743	49.253	ug/l	99
28) Bromochloromethane	7.580	49	124838	50.160	ug/l	87
29) Tetrahydrofuran	7.604	42	580867	257.981	ug/l	99
30) Chloroform	7.739	83	413247	52.028	ug/l	99
31) Cyclohexane	8.022	56	325922	48.804	ug/l	97
32) 1,1,1-Trichloroethane	7.939	97	342913	52.050	ug/l	95
36) 1,1-Dichloropropene	8.151	75	287722	53.006	ug/l	98
37) Ethyl Acetate	7.333	43	346801	48.849	ug/l	96
38) Carbon Tetrachloride	8.133	117	291921	53.235	ug/l	100
39) Methylcyclohexane	9.392	83	354574	54.216	ug/l	98
40) Benzene	8.386	78	909218	53.096	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	165959	51.976	ug/l #	70
42) 1,2-Dichloroethane	8.463	62	326308	51.227	ug/l	98
43) Isopropyl Acetate	8.492	43	537867	52.135	ug/l	99
44) Trichloroethene	9.151	130	213190	52.314	ug/l	96
45) 1,2-Dichloropropane	9.427	63	232460	54.575	ug/l	96
46) Dibromomethane	9.510	93	168195	51.786	ug/l #	86
47) Bromodichloromethane	9.698	83	327505	54.991	ug/l	94
48) Methyl methacrylate	9.498	41	232123	51.198	ug/l #	89
49) 1,4-Dioxane	9.504	88	111432	954.978	ug/l	91
51) 4-Methyl-2-Pentanone	10.269	43	1924488	266.661	ug/l	97
52) Toluene	10.439	92	603422	57.024	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	344712	56.849	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	363101	54.580	ug/l	94
55) 1,1,2-Trichloroethane	10.839	97	240429	52.956	ug/l	94
56) Ethyl methacrylate	10.698	69	391780	57.962	ug/l #	94
57) 1,3-Dichloropropane	10.986	76	411954	53.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	908305	274.684	ug/l	96
59) 2-Hexanone	11.021	43	1484586	271.798	ug/l	97
60) Dibromochloromethane	11.174	129	248999	55.263	ug/l	97
61) 1,2-Dibromoethane	11.286	107	254305	55.907	ug/l	99
64) Tetrachloroethene	10.910	164	181605	51.916	ug/l	95
65) Chlorobenzene	11.710	112	629744	51.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	231602	51.240	ug/l	98
67) Ethyl Benzene	11.786	91	1207909	53.866	ug/l	96
68) m/p-Xylenes	11.892	106	904383	108.041	ug/l	96
69) o-Xylene	12.215	106	446929	53.495	ug/l	96
70) Styrene	12.233	104	772244	57.723	ug/l	100
71) Bromoform	12.398	173	181099	55.326	ug/l #	98
73) Isopropylbenzene	12.515	105	1196384	51.699	ug/l	98
74) N-amyl acetate	12.327	43	502770	50.942	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.762	83	418839	48.780	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	379038m	50.642	ug/l	
77) Bromobenzene	12.798	156	257294	50.087	ug/l	86
78) n-propylbenzene	12.857	91	1440416	54.454	ug/l	96
79) 2-Chlorotoluene	12.945	91	813328	50.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	1008854	54.372	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	122431	53.101	ug/l	97
82) 4-Chlorotoluene	13.045	91	812112	53.266	ug/l	98
83) tert-Butylbenzene	13.262	119	880434	52.281	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	1009300	53.700	ug/l	98
85) sec-Butylbenzene	13.439	105	1275159	54.237	ug/l	97
86) p-Isopropyltoluene	13.551	119	1027605	56.106	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	489958	52.104	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	475073	50.681	ug/l	96
89) n-Butylbenzene	13.880	91	900233	56.339	ug/l	95
90) Hexachloroethane	14.145	117	175185	49.170	ug/l	79
91) 1,2-Dichlorobenzene	13.921	146	495061	50.224	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	85711	45.984	ug/l	87
93) 1,2,4-Trichlorobenzene	15.192	180	246002	50.402	ug/l	98
94) Hexachlorobutadiene	15.298	225	108866	53.309	ug/l	96
95) Naphthalene	15.433	128	949661	49.657	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	251964	50.679	ug/l	98

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

