

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074285.D
 Acq On : 02 Sep 2022 13:48
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 02 14:24:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 14:16:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	291225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	540108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	500588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	238221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	242034	53.576	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.160%			
35) Dibromofluoromethane	7.951	113	188669	53.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	10.380	98	770501	55.668	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.668	95	253562	60.241	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	134403	44.602	ug/l	93
3) Chloromethane	2.269	50	191826	45.195	ug/l	98
4) Vinyl Chloride	2.404	62	370826	87.924	ug/l	97
5) Bromomethane	2.793	94	220726	95.724	ug/l	91
6) Chloroethane	2.957	64	294671	91.072	ug/l	97
7) Trichlorofluoromethane	3.316	101	234407	36.356	ug/l	98
8) Diethyl Ether	3.769	74	98923	36.078	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.140	101	142596	38.727	ug/l	95
10) Methyl Iodide	4.351	142	102934	34.636	ug/l #	87
11) Tert butyl alcohol	5.292	59	197650	178.918	ug/l	99
12) 1,1-Dichloroethene	4.116	96	133294	39.038	ug/l	92
13) Acrolein	3.975	56	123358	123.524	ug/l	93
14) Allyl chloride	4.757	41	221545	29.096	ug/l #	88
15) Acrylonitrile	5.475	53	548682	168.118	ug/l	99
16) Acetone	4.216	43	433897	143.735	ug/l	98
17) Carbon Disulfide	4.463	76	349077	35.923	ug/l	97
18) Methyl Acetate	4.775	43	249824	27.388	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	565222	44.752	ug/l	96
20) Methylene Chloride	5.016	84	169288	32.874	ug/l	93
21) trans-1,2-Dichloroethene	5.516	96	161936	41.091	ug/l	94
22) Diisopropyl ether	6.410	45	578651	37.301	ug/l	95
23) Vinyl Acetate	6.351	43	2509508	191.596	ug/l	99
24) 1,1-Dichloroethane	6.304	63	317818	41.528	ug/l	99
25) 2-Butanone	7.257	43	808588	167.441	ug/l	100
26) 2,2-Dichloropropane	7.245	77	256904	48.252	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	204020	46.350	ug/l	98
28) Bromochloromethane	7.586	49	110841	36.377	ug/l	87
29) Tetrahydrofuran	7.604	42	526920	171.332	ug/l	96
30) Chloroform	7.745	83	357508	45.825	ug/l	99
31) Cyclohexane	8.022	56	282732	37.878	ug/l	97
32) 1,1,1-Trichloroethane	7.945	97	306428	51.072	ug/l	98
36) 1,1-Dichloropropene	8.151	75	258619	45.352	ug/l	96
37) Ethyl Acetate	7.339	43	313466	32.869	ug/l	97
38) Carbon Tetrachloride	8.133	117	256460	47.056	ug/l	98
39) Methylcyclohexane	9.392	83	318342	47.555	ug/l	93
40) Benzene	8.386	78	813716	45.445	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	138616	31.489	ug/l #	95
42) 1,2-Dichloroethane	8.463	62	287500	45.119	ug/l	99
43) Isopropyl Acetate	8.492	43	497921	38.838	ug/l	98
44) Trichloroethene	9.151	130	184190	46.035	ug/l	86
45) 1,2-Dichloropropane	9.427	63	199334	41.233	ug/l	99
46) Dibromomethane	9.516	93	150785	46.701	ug/l #	85
47) Bromodichloromethane	9.698	83	285249	45.083	ug/l	99
48) Methyl methacrylate	9.498	41	206733	33.947	ug/l #	81
49) 1,4-Dioxane	9.510	88	108044	822.344	ug/l	92
51) 4-Methyl-2-Pentanone	10.269	43	1797426	193.178	ug/l	97
52) Toluene	10.445	92	530754	50.290	ug/l	97
53) t-1,3-Dichloropropene	10.657	75	308900	51.491	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	328006	48.837	ug/l	92
55) 1,1,2-Trichloroethane	10.839	97	216520	47.429	ug/l	97
56) Ethyl methacrylate	10.704	69	350694	50.682	ug/l #	93
57) 1,3-Dichloropropane	10.986	76	365259	46.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	841206	240.321	ug/l	95
59) 2-Hexanone	11.027	43	1396275	197.744	ug/l	96
60) Dibromochloromethane	11.180	129	224270	52.449	ug/l	98
61) 1,2-Dibromoethane	11.286	107	222596	51.029	ug/l	99
64) Tetrachloroethene	10.916	164	150137	41.406	ug/l	93
65) Chlorobenzene	11.710	112	551151	48.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	208758	52.141	ug/l	95
67) Ethyl Benzene	11.786	91	1056887	52.283	ug/l	99
68) m/p-Xylenes	11.892	106	792908	105.587	ug/l	96
69) o-Xylene	12.216	106	393555	52.596	ug/l	94
70) Styrene	12.233	104	662122	55.542	ug/l	99
71) Bromoform	12.398	173	155977	45.994	ug/l	100
73) Isopropylbenzene	12.515	105	1048019	51.370	ug/l	98
74) N-amyl acetate	12.327	43	458512	39.724	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.768	83	367101	43.389	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	301511m	44.544	ug/l	
77) Bromobenzene	12.798	156	227909	47.758	ug/l	85
78) n-propylbenzene	12.857	91	1248045	53.668	ug/l	96
79) 2-Chlorotoluene	12.945	91	710143	49.855	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	875290	52.754	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.568	75	108471	47.263	ug/l	94
82) 4-Chlorotoluene	13.045	91	692703	50.259	ug/l	99
83) tert-Butylbenzene	13.262	119	761598	53.661	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	883903	55.199	ug/l	96
85) sec-Butylbenzene	13.439	105	1098372	55.170	ug/l	98
86) p-Isopropyltoluene	13.557	119	897316	57.923	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	429667	50.508	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	423769	48.151	ug/l	98
89) n-Butylbenzene	13.880	91	765906	56.767	ug/l	96
90) Hexachloroethane	14.145	117	153652	48.110	ug/l	78
91) 1,2-Dichlorobenzene	13.927	146	422423	47.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	80682	47.711	ug/l	86
93) 1,2,4-Trichlorobenzene	15.192	180	214050	48.799	ug/l	98
94) Hexachlorobutadiene	15.298	225	91779	42.548	ug/l	100
95) Naphthalene	15.433	128	854025	54.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	220260	48.473	ug/l	98

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

