

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073750.D
 Acq On : 04 Aug 2022 20:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/05/2022
 Supervised By : Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 00:35:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	396431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	644521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	588879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	291308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	225958	46.771	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.540%		
35) Dibromofluoromethane	7.951	113	199298	49.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	10.380	98	742014	46.591	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.180%		
62) 4-Bromofluorobenzene	12.674	95	251342	47.668	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	164562	42.798	ug/l	98
3) Chloromethane	2.269	50	205643	44.208	ug/l	98
4) Vinyl Chloride	2.404	62	267451	39.770	ug/l	99
5) Bromomethane	2.781	94	185752	47.627	ug/l	98
6) Chloroethane	2.951	64	185944	47.291	ug/l	100
7) Trichlorofluoromethane	3.304	101	396555	57.218	ug/l	99
8) Diethyl Ether	3.763	74	127134	48.853	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.134	101	177893	46.393	ug/l	98
10) Methyl Iodide	4.345	142	132318	33.943	ug/l	98
11) Tert butyl alcohol	5.298	59	271986	261.046	ug/l	99
12) 1,1-Dichloroethene	4.110	96	173602	46.156	ug/l	95
13) Acrolein	3.975	56	287685	278.511	ug/l	98
14) Allyl chloride	4.757	41	270980	45.063	ug/l	98
15) Acrylonitrile	5.475	53	715787	248.355	ug/l	100
16) Acetone	4.222	43	607683	234.188	ug/l	99
17) Carbon Disulfide	4.451	76	411018	41.213	ug/l	100
18) Methyl Acetate	4.775	43	335861	52.026	ug/l	100
19) Methyl tert-butyl Ether	5.528	73	670415	52.175	ug/l	97
20) Methylene Chloride	5.010	84	216465	51.639	ug/l	98
21) trans-1,2-Dichloroethene	5.504	96	187784	46.121	ug/l	92
22) Diisopropyl ether	6.416	45	637213	49.116	ug/l	98
23) Vinyl Acetate	6.351	43	2795829	257.038	ug/l	100
24) 1,1-Dichloroethane	6.304	63	367883	46.093	ug/l	98
25) 2-Butanone	7.257	43	989740	245.608	ug/l	100
26) 2,2-Dichloropropane	7.245	77	220817	35.960	ug/l	96
27) cis-1,2-Dichloroethene	7.245	96	239373	47.718	ug/l	92
28) Bromochloromethane	7.586	49	154932	46.232	ug/l	98
29) Tetrahydrofuran	7.610	42	642322	252.108	ug/l	99
30) Chloroform	7.745	83	390411	46.949	ug/l	100
31) Cyclohexane	8.022	56	306838	42.661	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	336203	48.692	ug/l	99
36) 1,1-Dichloropropene	8.151	75	270735	46.936	ug/l	100
37) Ethyl Acetate	7.339	43	384332	50.593	ug/l	98
38) Carbon Tetrachloride	8.133	117	278432	47.526	ug/l	99
39) Methylcyclohexane	9.392	83	330994	48.019	ug/l	99
40) Benzene	8.392	78	873756	46.648	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	156051	45.397	ug/l	95
42) 1,2-Dichloroethane	8.463	62	298481	47.282	ug/l	99
43) Isopropyl Acetate	8.492	43	527670	51.427	ug/l	100
44) Trichloroethene	9.151	130	224789	47.324	ug/l	99
45) 1,2-Dichloropropane	9.428	63	220212	47.035	ug/l	99
46) Dibromomethane	9.516	93	157902	48.594	ug/l	99
47) Bromodichloromethane	9.698	83	308074	49.398	ug/l	98
48) Methyl methacrylate	9.498	41	236452	52.647	ug/l	91
49) 1,4-Dioxane	9.504	88	133233	1052.356	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1908166	259.288	ug/l	99
52) Toluene	10.445	92	564630	49.351	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	310084	50.329	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	339075	48.838	ug/l	100
55) 1,1,2-Trichloroethane	10.839	97	235362	49.332	ug/l	98
56) Ethyl methacrylate	10.704	69	374789	56.996	ug/l	98
57) 1,3-Dichloropropane	10.986	76	392608	48.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	815055	234.858	ug/l	100
59) 2-Hexanone	11.027	43	1497547	268.586	ug/l	99
60) Dibromochloromethane	11.180	129	251740	53.038	ug/l	100
61) 1,2-Dibromoethane	11.286	107	247044	50.276	ug/l	99
64) Tetrachloroethene	10.916	164	207235	44.281	ug/l	96
65) Chlorobenzene	11.710	112	607814	48.593	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	232462	51.814	ug/l	99
67) Ethyl Benzene	11.786	91	1078394	51.104	ug/l	99
68) m/p-Xylenes	11.892	106	835588	103.821	ug/l	99
69) o-Xylene	12.221	106	420566	53.599	ug/l	99
70) Styrene	12.233	104	690618	54.983	ug/l	98
71) Bromoform	12.398	173	204544	55.235	ug/l #	98
73) Isopropylbenzene	12.521	105	1088245	51.033	ug/l	100
74) N-amyl acetate	12.327	43	434447	53.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	386062	46.916	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	280654m	52.770	ug/l	
77) Bromobenzene	12.798	156	271353	48.864	ug/l	98
78) n-propylbenzene	12.863	91	1217729	50.751	ug/l	99
79) 2-Chlorotoluene	12.945	91	734218	49.028	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	903669	51.495	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	106863	47.540	ug/l	99
82) 4-Chlorotoluene	13.045	91	699641	49.294	ug/l	97
83) tert-Butylbenzene	13.263	119	812373	52.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	905833	52.495	ug/l	99
85) sec-Butylbenzene	13.439	105	1124964	52.364	ug/l	100
86) p-Isopropyltoluene	13.557	119	941412	55.587	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	480489	47.402	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	476413	46.974	ug/l	98
89) n-Butylbenzene	13.880	91	730803	53.034	ug/l	99
90) Hexachloroethane	14.151	117	167126	49.737	ug/l	98
91) 1,2-Dichlorobenzene	13.927	146	496726	48.359	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	85285	51.584	ug/l	90
93) 1,2,4-Trichlorobenzene	15.198	180	278661	54.630	ug/l	99
94) Hexachlorobutadiene	15.304	225	139918	50.456	ug/l	98
95) Naphthalene	15.433	128	998879	60.346	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	295605	55.062	ug/l	99

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

