

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073441.D
 Acq On : 12 Jul 2022 17:15
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 06:19:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	210491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	358675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	333843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	166052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	150828	49.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.280%		
35) Dibromofluoromethane	7.945	113	120224	50.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.760%		
50) Toluene-d8	10.374	98	412155	48.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.668	95	171253	52.579	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	147498	47.929	ug/l	99
3) Chloromethane	2.269	50	140859	47.146	ug/l	99
4) Vinyl Chloride	2.404	62	114809	45.226	ug/l	97
5) Bromomethane	2.787	94	51607	43.041	ug/l	97
6) Chloroethane	2.951	64	74123	49.637	ug/l	97
7) Trichlorofluoromethane	3.304	101	197546	45.012	ug/l	99
8) Diethyl Ether	3.763	74	90055	50.407	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.134	101	130240	50.223	ug/l	96
10) Methyl Iodide	4.345	142	127738	41.208	ug/l	92
11) Tert butyl alcohol	5.292	59	199728	271.332	ug/l	99
12) 1,1-Dichloroethene	4.110	96	118302	47.743	ug/l	95
13) Acrolein	3.975	56	97863	210.337	ug/l	99
14) Allyl chloride	4.757	41	273307	52.357	ug/l #	90
15) Acrylonitrile	5.475	53	560440	295.759	ug/l	99
16) Acetone	4.216	43	499033	292.575	ug/l	95
17) Carbon Disulfide	4.451	76	284250	44.240	ug/l	98
18) Methyl Acetate	4.775	43	288866	60.434	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	482585	53.436	ug/l	99
20) Methylene Chloride	5.010	84	149475	49.866	ug/l	91
21) trans-1,2-Dichloroethene	5.504	96	126875	49.003	ug/l	93
22) Diisopropyl ether	6.410	45	554300	56.906	ug/l #	93
23) Vinyl Acetate	6.351	43	2399719	275.163	ug/l #	93
24) 1,1-Dichloroethane	6.298	63	274363	54.429	ug/l	99
25) 2-Butanone	7.257	43	807144	297.226	ug/l #	89
26) 2,2-Dichloropropane	7.245	77	207499	44.509	ug/l	96
27) cis-1,2-Dichloroethene	7.245	96	160290	51.123	ug/l	95
28) Bromochloromethane	7.581	49	125337	59.371	ug/l #	80
29) Tetrahydrofuran	7.604	42	549605	295.578	ug/l #	84
30) Chloroform	7.745	83	273326	53.836	ug/l	100
31) Cyclohexane	8.016	56	229976	46.212	ug/l	86
32) 1,1,1-Trichloroethane	7.939	97	235573	52.067	ug/l	99
36) 1,1-Dichloropropene	8.145	75	188977	51.467	ug/l	98
37) Ethyl Acetate	7.334	43	307708	55.462	ug/l #	95
38) Carbon Tetrachloride	8.133	117	187322	49.332	ug/l	95
39) Methylcyclohexane	9.392	83	223664	48.927	ug/l	92
40) Benzene	8.386	78	592329	52.271	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	148220	55.086	ug/l #	85
42) 1,2-Dichloroethane	8.457	62	224306	54.606	ug/l	97
43) Isopropyl Acetate	8.492	43	450869	56.546	ug/l #	92
44) Trichloroethene	9.151	130	139521	48.382	ug/l	93
45) 1,2-Dichloropropane	9.422	63	157595	54.564	ug/l	98
46) Dibromomethane	9.516	93	105749	53.923	ug/l	90
47) Bromodichloromethane	9.698	83	215315	56.688	ug/l	99
48) Methyl methacrylate	9.492	41	215848	58.466	ug/l #	87
49) 1,4-Dioxane	9.504	88	83187	1186.947	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	1551338	306.805	ug/l	90
52) Toluene	10.439	92	365242	52.155	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	223053	53.345	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	242758	53.777	ug/l #	91
55) 1,1,2-Trichloroethane	10.839	97	153234	53.150	ug/l	99
56) Ethyl methacrylate	10.698	69	256971	55.145	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	269772	54.585	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.980	63	608472	292.783	ug/l	94
59) 2-Hexanone	11.027	43	1188236	308.283	ug/l	89
60) Dibromochloromethane	11.174	129	156618	56.978	ug/l	99
61) 1,2-Dibromoethane	11.286	107	156637	54.394	ug/l	100
64) Tetrachloroethene	10.916	164	128129	47.001	ug/l	95
65) Chlorobenzene	11.710	112	381647	50.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	141813	51.064	ug/l	99
67) Ethyl Benzene	11.786	91	714991	52.161	ug/l	99
68) m/p-Xylenes	11.892	106	537761	103.953	ug/l	96
69) o-Xylene	12.221	106	266798	50.520	ug/l	94
70) Styrene	12.233	104	446893	54.810	ug/l	98
71) Bromoform	12.398	173	112768	55.493	ug/l #	99
73) Isopropylbenzene	12.516	105	708018	49.376	ug/l	99
74) N-amyl acetate	12.327	43	348919	48.596	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.768	83	246918	51.892	ug/l	98
76) 1,2,3-Trichloropropane	12.821	75	218938m	50.424	ug/l	
77) Bromobenzene	12.798	156	159336	47.793	ug/l	85
78) n-propylbenzene	12.857	91	827943	51.975	ug/l	97
79) 2-Chlorotoluene	12.945	91	497869	49.382	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	588752	50.374	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.568	75	75617	47.761	ug/l	89
82) 4-Chlorotoluene	13.045	91	485868	49.778	ug/l	96
83) tert-Butylbenzene	13.263	119	509518	48.627	ug/l	94
84) 1,2,4-Trimethylbenzene	13.304	105	589175	50.491	ug/l	96
85) sec-Butylbenzene	13.439	105	736851	52.370	ug/l	97
86) p-Isopropyltoluene	13.557	119	589692	51.882	ug/l	97
87) 1,3-Dichlorobenzene	13.551	146	291118	48.674	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	288483	48.140	ug/l	98
89) n-Butylbenzene	13.880	91	505865	53.411	ug/l	98
90) Hexachloroethane	14.151	117	104462	49.317	ug/l	84
91) 1,2-Dichlorobenzene	13.927	146	300770	49.366	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	57047	49.326	ug/l	87
93) 1,2,4-Trichlorobenzene	15.198	180	160089	50.464	ug/l	98
94) Hexachlorobutadiene	15.298	225	68877	48.841	ug/l	100
95) Naphthalene	15.433	128	601057	46.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	161422	49.327	ug/l	98

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

