

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074203.D
 Acq On : 31 Aug 2022 09:29
 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 09/01/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 01 00:19:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	202668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	355199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	337015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	162477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	168194	53.499	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.000%			
35) Dibromofluoromethane	7.945	113	125833	54.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.880%			
50) Toluene-d8	10.380	98	525850	57.770	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.540%#			
62) 4-Bromofluorobenzene	12.669	95	174878	63.176	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 126.360%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	101151	48.235	ug/l	97
3) Chloromethane	2.269	50	174942	59.227	ug/l	98
4) Vinyl Chloride	2.405	62	167237	56.979	ug/l	98
5) Bromomethane	2.793	94	93566	58.308	ug/l	99
6) Chloroethane	2.957	64	114656	59.695	ug/l	99
7) Trichlorofluoromethane	3.310	101	192835	42.977	ug/l	100
8) Diethyl Ether	3.763	74	91642	48.026	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.134	101	122446	47.785	ug/l	90
10) Methyl Iodide	4.346	142	119794	57.922	ug/l	94
11) Tert butyl alcohol	5.281	59	173411	245.299	ug/l	99
12) 1,1-Dichloroethene	4.116	96	115198	48.480	ug/l	92
13) Acrolein	3.975	56	157942	227.262	ug/l	93
14) Allyl chloride	4.763	41	278036	52.471	ug/l #	91
15) Acrylonitrile	5.469	53	563140	247.944	ug/l	98
16) Acetone	4.216	43	471877	224.620	ug/l	96
17) Carbon Disulfide	4.463	76	331038	48.952	ug/l	98
18) Methyl Acetate	4.769	43	278792	52.507	ug/l #	88
19) Methyl tert-butyl Ether	5.522	73	453575	51.605	ug/l	99
20) Methylene Chloride	5.004	84	149115	53.033	ug/l #	84
21) trans-1,2-Dichloroethene	5.510	96	129154	47.093	ug/l	96
22) Diisopropyl ether	6.410	45	579094	53.640	ug/l #	95
23) Vinyl Acetate	6.345	43	2557832	280.617	ug/l #	92
24) 1,1-Dichloroethane	6.304	63	272637	51.191	ug/l	99
25) 2-Butanone	7.257	43	841793	250.486	ug/l #	85
26) 2,2-Dichloropropane	7.245	77	205526	59.790	ug/l	97
27) cis-1,2-Dichloroethene	7.245	96	155332	50.708	ug/l	91
28) Bromochloromethane	7.587	49	98831	55.735	ug/l #	70
29) Tetrahydrofuran	7.604	42	563880	263.465	ug/l #	84
30) Chloroform	7.745	83	276867	50.996	ug/l	97
31) Cyclohexane	8.016	56	283862	54.646	ug/l #	83
32) 1,1,1-Trichloroethane	7.939	97	217478	52.085	ug/l	96
36) 1,1-Dichloropropene	8.145	75	204421	54.509	ug/l	95
37) Ethyl Acetate	7.334	43	322642	51.443	ug/l #	93
38) Carbon Tetrachloride	8.134	117	181207	53.051	ug/l	97
39) Methylcyclohexane	9.392	83	256576	58.281	ug/l	96
40) Benzene	8.386	78	647182	54.961	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	152434	52.654	ug/l #	81
42) 1,2-Dichloroethane	8.463	62	212824	50.787	ug/l	99
43) Isopropyl Acetate	8.492	43	471641	55.939	ug/l #	91
44) Trichloroethene	9.151	130	137359	52.202	ug/l	93
45) 1,2-Dichloropropane	9.422	63	170993	53.783	ug/l	99
46) Dibromomethane	9.510	93	107343	50.553	ug/l #	87
47) Bromodichloromethane	9.698	83	212054	50.962	ug/l	99
48) Methyl methacrylate	9.498	41	224904	56.156	ug/l	88
49) 1,4-Dioxane	9.498	88	81092	938.512	ug/l #	89
51) 4-Methyl-2-Pentanone	10.269	43	1659463	271.195	ug/l	89
52) Toluene	10.439	92	390706	56.292	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	231411	58.655	ug/l	95
54) cis-1,3-Dichloropropene	10.128	75	255532	57.853	ug/l #	89
55) 1,1,2-Trichloroethane	10.833	97	155953	51.946	ug/l	97
56) Ethyl methacrylate	10.698	69	274337	60.286	ug/l #	83
57) 1,3-Dichloropropane	10.980	76	282425	54.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	659386	286.443	ug/l #	88
59) 2-Hexanone	11.022	43	1272064	273.936	ug/l	88
60) Dibromochloromethane	11.180	129	150406	53.486	ug/l	95
61) 1,2-Dibromoethane	11.286	107	157847	55.023	ug/l	100
64) Tetrachloroethene	10.916	164	119112	48.794	ug/l	93
65) Chlorobenzene	11.710	112	393879	51.938	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	139307	51.682	ug/l	99
67) Ethyl Benzene	11.780	91	761063	55.922	ug/l	100
68) m/p-Xylenes	11.892	106	568108	112.370	ug/l	93
69) o-Xylene	12.216	106	289598	57.487	ug/l	98
70) Styrene	12.233	104	474690	59.146	ug/l	100
71) Bromoform	12.398	173	113992	49.928	ug/l #	97
73) Isopropylbenzene	12.516	105	746056	53.617	ug/l	99
74) N-amyl acetate	12.327	43	408851	51.934	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.769	83	271333	47.021	ug/l	97
76) 1,2,3-Trichloropropane	12.822	75	213044m	55.217	ug/l	
77) Bromobenzene	12.798	156	163113	50.114	ug/l	82
78) n-propylbenzene	12.857	91	914959	57.687	ug/l	96
79) 2-Chlorotoluene	12.945	91	507725	52.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	610628	53.960	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.563	75	86853	55.486	ug/l	93
82) 4-Chlorotoluene	13.039	91	507654	54.003	ug/l	99
83) tert-Butylbenzene	13.263	119	533982	55.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	617767	56.564	ug/l	99
85) sec-Butylbenzene	13.439	105	800046	58.919	ug/l	97
86) p-Isopropyltoluene	13.551	119	632197	59.834	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	308183	53.116	ug/l	100
88) 1,4-Dichlorobenzene	13.633	146	308622	51.416	ug/l	99
89) n-Butylbenzene	13.880	91	578015	62.813	ug/l	97
90) Hexachloroethane	14.151	117	111310	51.100	ug/l	81
91) 1,2-Dichlorobenzene	13.927	146	314148	51.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	56330	48.839	ug/l	88
93) 1,2,4-Trichlorobenzene	15.192	180	165839	55.433	ug/l	99
94) Hexachlorobutadiene	15.298	225	72030	48.959	ug/l	98
95) Naphthalene	15.433	128	619530	50.244	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	168658	54.420	ug/l	98

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

