

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072431.D
 Acq On : 11 May 2022 20:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2022
 Supervised By : Mahesh Dadoda 05/12/2022

Quant Time: May 12 02:16:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	208426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	337167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	310189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	142423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	147426	46.180	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.360%		
35) Dibromofluoromethane	8.022	113	103196	46.005	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.000%		
50) Toluene-d8	10.439	98	382466	44.769	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.540%		
62) 4-Bromofluorobenzene	12.727	95	136953	48.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	120214	46.247	ug/l	100
3) Chloromethane	2.299	50	107589	44.067	ug/l	99
4) Vinyl Chloride	2.440	62	88055	39.784	ug/l	100
5) Bromomethane	2.828	94	56616	42.963	ug/l	94
6) Chloroethane	2.999	64	54234	46.676	ug/l	97
7) Trichlorofluoromethane	3.369	101	201093	49.020	ug/l	98
8) Diethyl Ether	3.822	74	66967	45.250	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	100936	45.092	ug/l	98
10) Methyl Iodide	4.422	142	126725	42.707	ug/l #	86
11) Tert butyl alcohol	5.369	59	116244	222.691	ug/l	100
12) 1,1-Dichloroethene	4.181	96	94456	45.035	ug/l	95
13) Acrolein	4.040	56	97135	190.193	ug/l	98
14) Allyl chloride	4.834	41	171921	44.025	ug/l	93
15) Acrylonitrile	5.551	53	319442	225.204	ug/l	98
16) Acetone	4.287	43	293054	231.793	ug/l	93
17) Carbon Disulfide	4.534	76	236235	43.430	ug/l	99
18) Methyl Acetate	4.851	43	167208	44.919	ug/l	93
19) Methyl tert-butyl Ether	5.610	73	377271	49.775	ug/l	97
20) Methylene Chloride	5.098	84	110557	42.648	ug/l #	91
21) trans-1,2-Dichloroethene	5.598	96	100970	46.014	ug/l	94
22) Diisopropyl ether	6.492	45	351688	44.320	ug/l	99
23) Vinyl Acetate	6.428	43	1563884	235.538	ug/l	96
24) 1,1-Dichloroethane	6.381	63	204066	45.572	ug/l	99
25) 2-Butanone	7.328	43	433276	217.141	ug/l	94
26) 2,2-Dichloropropane	7.322	77	163949	43.569	ug/l	94
27) cis-1,2-Dichloroethene	7.322	96	120688	45.749	ug/l	95
28) Bromochloromethane	7.657	49	81968	43.111	ug/l	90
29) Tetrahydrofuran	7.681	42	289753	223.436	ug/l	94
30) Chloroform	7.816	83	213658	46.901	ug/l	99
31) Cyclohexane	8.092	56	175109	41.396	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	206904	49.518	ug/l	99
36) 1,1-Dichloropropene	8.222	75	153739	47.718	ug/l	97
37) Ethyl Acetate	7.410	43	182699	47.264	ug/l	98
38) Carbon Tetrachloride	8.204	117	184491	51.165	ug/l	99
39) Methylcyclohexane	9.457	83	174726	48.255	ug/l	96
40) Benzene	8.457	78	441936	45.917	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	84497	44.146	ug/l	92
42) 1,2-Dichloroethane	8.528	62	190551	49.258	ug/l	94
43) Isopropyl Acetate	8.557	43	318662	53.670	ug/l #	91
44) Trichloroethene	9.210	130	113342	46.389	ug/l	98
45) 1,2-Dichloropropane	9.486	63	113872	46.328	ug/l	95
46) Dibromomethane	9.575	93	82334	48.108	ug/l	94
47) Bromodichloromethane	9.757	83	170705	48.926	ug/l	93
48) Methyl methacrylate	9.557	41	139489	50.354	ug/l	88
49) 1,4-Dioxane	9.569	88	48079	1017.449	ug/l #	93
51) 4-Methyl-2-Pentanone	10.328	43	915524	248.323	ug/l	94
52) Toluene	10.498	92	289385	48.762	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	183642	51.708	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	188750	49.813	ug/l #	90
55) 1,1,2-Trichloroethane	10.892	97	114656	46.376	ug/l	99
56) Ethyl methacrylate	10.757	69	185943	52.477	ug/l	88
57) 1,3-Dichloropropane	11.039	76	200404	47.602	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	315971	324.332	ug/l	97
59) 2-Hexanone	11.080	43	664289	256.964	ug/l	92
60) Dibromochloromethane	11.233	129	137469	52.343	ug/l	98
61) 1,2-Dibromoethane	11.339	107	120381	48.858	ug/l	98
64) Tetrachloroethene	10.975	164	98050	43.915	ug/l	95
65) Chlorobenzene	11.763	112	301890	47.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	122079	48.127	ug/l	97
67) Ethyl Benzene	11.839	91	559604	51.178	ug/l	98
68) m/p-Xylenes	11.951	106	424901	102.458	ug/l	94
69) o-Xylene	12.274	106	213754	52.460	ug/l	95
70) Styrene	12.292	104	338483	54.300	ug/l	96
71) Bromoform	12.451	173	100208	53.555	ug/l #	99
73) Isopropylbenzene	12.574	105	562214	47.651	ug/l	98
74) N-amyl acetate	12.380	43	205609	49.301	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	171753	40.097	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	161944m	43.596	ug/l	
77) Bromobenzene	12.857	156	129840	45.997	ug/l	94
78) n-propylbenzene	12.916	91	620017	49.109	ug/l	99
79) 2-Chlorotoluene	13.004	91	382938	46.170	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	474915	49.147	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	51926	46.633	ug/l	87
82) 4-Chlorotoluene	13.098	91	370651	47.155	ug/l	97
83) tert-Butylbenzene	13.316	119	419200	49.554	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	463131	49.269	ug/l	95
85) sec-Butylbenzene	13.498	105	560843	49.712	ug/l	99
86) p-Isopropyltoluene	13.610	119	466265	53.056	ug/l	96
87) 1,3-Dichlorobenzene	13.610	146	232051	47.666	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	222066	45.852	ug/l	97
89) n-Butylbenzene	13.939	91	352503	52.474	ug/l	98
90) Hexachloroethane	14.204	117	87999	50.109	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	231603	47.634	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	39940	53.622	ug/l	87
93) 1,2,4-Trichlorobenzene	15.257	180	103684	56.295	ug/l	97
94) Hexachlorobutadiene	15.363	225	59933	49.146	ug/l	98
95) Naphthalene	15.498	128	339650	49.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	104918	56.843	ug/l	97

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

