

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072868.D
 Acq On : 15 Jun 2022 06:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 15 07:52:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	279739	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	521052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	478369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	188840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	223887	51.676	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.360%			
35) Dibromofluoromethane	8.016	113	165015	51.152	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.300%			
50) Toluene-d8	10.439	98	657310	51.630	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.727	95	236432	55.324	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.063	85	113778	47.497	ug/l	99
3) Chloromethane	2.293	50	125798	52.367	ug/l	99
4) Vinyl Chloride	2.434	62	105968	52.162	ug/l	94
5) Bromomethane	2.822	94	44482	46.002	ug/l	100
6) Chloroethane	2.999	64	70079	54.822	ug/l	94
7) Trichlorofluoromethane	3.363	101	217206	50.233	ug/l	98
8) Diethyl Ether	3.816	74	97395	47.564	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.204	101	124366	45.177	ug/l	96
10) Methyl Iodide	4.416	142	135930	59.039	ug/l	95
11) Tert butyl alcohol	5.363	59	244829	46.637	ug/l	98
12) 1,1-Dichloroethene	4.175	96	117836	45.665	ug/l	95
13) Acrolein	4.040	56	112914	229.356	ug/l	98
14) Allyl chloride	4.834	41	265803	44.629	ug/l	# 92
15) Acrylonitrile	5.545	53	607686	239.456	ug/l	99
16) Acetone	4.281	43	569668	235.262	ug/l	93
17) Carbon Disulfide	4.528	76	222555	48.565	ug/l	98
18) Methyl Acetate	4.845	43	306310	52.060	ug/l	90
19) Methyl tert-butyl Ether	5.610	73	551099	50.393	ug/l	97
20) Methylene Chloride	5.087	84	161014	52.385	ug/l	89
21) trans-1,2-Dichloroethene	5.598	96	124898	51.531	ug/l	93
22) Diisopropyl ether	6.492	45	613600	49.993	ug/l	97
23) Vinyl Acetate	6.428	43	2728024	257.498	ug/l	# 93
24) 1,1-Dichloroethane	6.375	63	293881	48.353	ug/l	98
25) 2-Butanone	7.328	43	912766	237.889	ug/l	# 86
26) 2,2-Dichloropropane	7.322	77	129043	28.455	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	171147	47.926	ug/l	98
28) Bromochloromethane	7.651	49	142658	49.233	ug/l	# 81
29) Tetrahydrofuran	7.681	42	573923	234.332	ug/l	86
30) Chloroform	7.816	83	304238	49.821	ug/l	100
31) Cyclohexane	8.092	56	227896	51.407	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	259488	50.897	ug/l	99
36) 1,1-Dichloropropene	8.216	75	200347	46.502	ug/l	96
37) Ethyl Acetate	7.404	43	341219	46.942	ug/l	96
38) Carbon Tetrachloride	8.204	117	210046	48.838	ug/l	100
39) Methylcyclohexane	9.457	83	221846	45.355	ug/l	94
40) Benzene	8.457	78	636630	46.744	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	194073	52.076	ug/l #	80
42) 1,2-Dichloroethane	8.528	62	251344	47.671	ug/l	98
43) Isopropyl Acetate	8.557	43	573074	53.510	ug/l #	90
44) Trichloroethene	9.216	130	149251	45.088	ug/l	91
45) 1,2-Dichloropropane	9.486	63	179126	47.246	ug/l	97
46) Dibromomethane	9.575	93	122753	50.270	ug/l	88
47) Bromodichloromethane	9.757	83	254153	51.313	ug/l	97
48) Methyl methacrylate	9.557	41	258265	50.583	ug/l	88
49) 1,4-Dioxane	9.563	88	94988	917.262	ug/l #	91
51) 4-Methyl-2-Pentanone	10.327	43	1821362	248.126	ug/l	91
52) Toluene	10.504	92	416120	49.186	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	247564	49.748	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	264597	48.445	ug/l #	87
55) 1,1,2-Trichloroethane	10.898	97	184461	48.416	ug/l	97
56) Ethyl methacrylate	10.757	69	326261	51.341	ug/l #	83
57) 1,3-Dichloropropane	11.039	76	314720	47.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	668896	263.852	ug/l	94
59) 2-Hexanone	11.080	43	1396243	253.347	ug/l	88
60) Dibromochloromethane	11.233	129	191675	53.398	ug/l	99
61) 1,2-Dibromoethane	11.339	107	188813	50.500	ug/l	99
64) Tetrachloroethene	10.975	164	120975	39.420	ug/l	93
65) Chlorobenzene	11.769	112	445617	47.296	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	177430	49.376	ug/l	99
67) Ethyl Benzene	11.839	91	821132	48.274	ug/l	97
68) m/p-Xylenes	11.951	106	595059	98.779	ug/l	93
69) o-Xylene	12.274	106	311140	48.805	ug/l	95
70) Styrene	12.292	104	501348	52.187	ug/l	97
71) Bromoform	12.457	173	139219	53.392	ug/l #	99
73) Isopropylbenzene	12.574	105	823503	47.438	ug/l	98
74) N-amyl acetate	12.386	43	433860	51.828	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.821	83	298046	45.540	ug/l	99
76) 1,2,3-Trichloropropane	12.880	75	242692m	44.555	ug/l	
77) Bromobenzene	12.857	156	178940	45.457	ug/l	83
78) n-propylbenzene	12.916	91	906479	47.867	ug/l	97
79) 2-Chlorotoluene	13.004	91	564635	45.712	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	654981	47.492	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.621	75	73424	41.920	ug/l	91
82) 4-Chlorotoluene	13.104	91	528518	46.739	ug/l	97
83) tert-Butylbenzene	13.321	119	590033	47.349	ug/l	94
84) 1,2,4-Trimethylbenzene	13.363	105	645751	48.389	ug/l	96
85) sec-Butylbenzene	13.498	105	809429	48.600	ug/l	98
86) p-Isopropyltoluene	13.610	119	630589	48.586	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	298823	46.655	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	300929	46.420	ug/l	98
89) n-Butylbenzene	13.939	91	516838	49.508	ug/l	98
90) Hexachloroethane	14.210	117	128007	49.675	ug/l	83
91) 1,2-Dichlorobenzene	13.986	146	301784	45.992	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	64697	49.480	ug/l	87
93) 1,2,4-Trichlorobenzene	15.262	180	153818	49.574	ug/l	97
94) Hexachlorobutadiene	15.368	225	65920	46.079	ug/l	99
95) Naphthalene	15.504	128	618856	52.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	159292	49.969	ug/l	97

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

