

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071097.D
 Acq On : 28 Feb 2022 15:42
 Operator : JC\MD
 Sample : VN0228WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Mar 01 04:22:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	649239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1057818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	928588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	359978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	436219	58.818	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 117.640%			
35) Dibromofluoromethane	8.016	113	340876	54.177	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.360%			
50) Toluene-d8	10.439	98	1347480	53.328	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.660%			
62) 4-Bromofluorobenzene	12.727	95	440908	48.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	120710	17.901	ug/l	98
3) Chloromethane	2.299	50	172523	20.355	ug/l	100
4) Vinyl Chloride	2.446	62	151605	17.868	ug/l	99
5) Bromomethane	2.846	94	88737	18.411	ug/l	96
6) Chloroethane	3.010	64	97214	17.465	ug/l	99
7) Trichlorofluoromethane	3.375	101	208728	19.630	ug/l	97
8) Diethyl Ether	3.828	74	91258	19.743	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.216	101	125276	19.203	ug/l	93
10) Methyl Iodide	4.422	142	167649	18.555	ug/l	99
11) Tert butyl alcohol	5.357	59	167992	124.292	ug/l	99
12) 1,1-Dichloroethene	4.181	96	116881	18.389	ug/l	98
13) Acrolein	4.045	56	98740	81.755	ug/l	99
14) Allyl chloride	4.840	41	249243	20.561	ug/l #	85
15) Acrylonitrile	5.551	53	495306	124.413	ug/l	98
16) Acetone	4.281	43	414121	101.392	ug/l	98
17) Carbon Disulfide	4.528	76	269867	14.806	ug/l	100
18) Methyl Acetate	4.851	43	231558	25.598	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	475953	21.347	ug/l	94
20) Methylene Chloride	5.092	84	148512	20.007	ug/l	93
21) trans-1,2-Dichloroethene	5.592	96	126947	18.608	ug/l	92
22) Diisopropyl ether	6.492	45	541512	23.292	ug/l	92
23) Vinyl Acetate	6.428	43	2263897	115.031	ug/l	99
24) 1,1-Dichloroethane	6.386	63	275191	21.115	ug/l	100
25) 2-Butanone	7.328	43	672405	123.755	ug/l	96
26) 2,2-Dichloropropane	7.322	77	213400	19.701	ug/l	97
27) cis-1,2-Dichloroethene	7.328	96	156362	19.942	ug/l	91
28) Bromochloromethane	7.651	49	101171	19.179	ug/l	85
29) Tetrahydrofuran	7.681	42	470614	133.703	ug/l	91
30) Chloroform	7.810	83	265016	20.675	ug/l	98
31) Cyclohexane	8.092	56	259865	20.260	ug/l	92
32) 1,1,1-Trichloroethane	8.010	97	224020	20.237	ug/l	97
36) 1,1-Dichloropropene	8.216	75	187984	18.236	ug/l	96
37) Ethyl Acetate	7.404	43	274711	24.849	ug/l	98
38) Carbon Tetrachloride	8.204	117	181736	17.893	ug/l	93
39) Methylcyclohexane	9.457	83	230084	17.346	ug/l	93
40) Benzene	8.457	78	608220	19.947	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	142132	24.411	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	218612	21.051	ug/l	99
43) Isopropyl Acetate	8.557	43	406761	23.343	ug/l	98
44) Trichloroethene	9.216	130	144237	17.964	ug/l	96
45) 1,2-Dichloropropane	9.486	63	164303	21.036	ug/l	99
46) Dibromomethane	9.575	93	100922	19.634	ug/l	97
47) Bromodichloromethane	9.757	83	199198	19.175	ug/l	99
48) Methyl methacrylate	9.557	41	188384	22.840	ug/l #	83
49) 1,4-Dioxane	9.563	88	71926	490.976	ug/l	90
51) 4-Methyl-2-Pentanone	10.327	43	1316139	124.139	ug/l	99
52) Toluene	10.504	92	380896	19.880	ug/l	94
53) t-1,3-Dichloropropene	10.716	75	216671	19.181	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	236860	19.094	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	151897	20.253	ug/l	95
56) Ethyl methacrylate	10.757	69	239477	21.193	ug/l #	90
57) 1,3-Dichloropropane	11.039	76	269404	20.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	201319	101.706	ug/l	95
59) 2-Hexanone	11.080	43	907662	124.480	ug/l	99
60) Dibromochloromethane	11.233	129	146355	18.465	ug/l	100
61) 1,2-Dibromoethane	11.339	107	150325	19.706	ug/l	99
64) Tetrachloroethene	10.974	164	121578	16.812	ug/l	96
65) Chlorobenzene	11.768	112	387232	19.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	142996	19.605	ug/l	99
67) Ethyl Benzene	11.839	91	691977	19.759	ug/l	100
68) m/p-Xylenes	11.951	106	525170	38.822	ug/l	100
69) o-Xylene	12.274	106	260219	19.692	ug/l	97
70) Styrene	12.292	104	407621	19.399	ug/l	98
71) Bromoform	12.451	173	107562	18.516	ug/l #	99
73) Isopropylbenzene	12.574	105	665738	22.976	ug/l	99
74) N-amyl acetate	12.386	43	232746	25.129	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	236871	25.726	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	181422m	21.405	ug/l	
77) Bromobenzene	12.857	156	155360	21.903	ug/l	82
78) n-propylbenzene	12.915	91	708917	21.776	ug/l	98
79) 2-Chlorotoluene	13.004	91	452054	22.865	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	530512	22.600	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	61120	23.368	ug/l	92
82) 4-Chlorotoluene	13.104	91	414333	21.590	ug/l	94
83) tert-Butylbenzene	13.321	119	478546	21.496	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	502921	21.764	ug/l	99
85) sec-Butylbenzene	13.498	105	629422	21.457	ug/l	99
86) p-Isopropyltoluene	13.610	119	497324	20.652	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	250426	19.944	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	238416	19.380	ug/l	97
89) n-Butylbenzene	13.939	91	341959	17.405	ug/l	96
90) Hexachloroethane	14.204	117	93066	21.640	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	247931	21.027	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	35634	23.886	ug/l	89
93) 1,2,4-Trichlorobenzene	15.257	180	95927	15.894	ug/l	98
94) Hexachlorobutadiene	15.362	225	72386	16.835	ug/l	98
95) Naphthalene	15.504	128	210876	16.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	90478	16.580	ug/l	99

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

