

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112122\
 Data File : VN075341.D
 Acq On : 21 Nov 2022 13:05
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2022
 Supervised By : Mahesh Dadoda 11/23/2022

Quant Time: Nov 22 04:48:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 04:47:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	162800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	60774	30.567	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.140%#		
35) Dibromofluoromethane	8.171	113	77006	52.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.040%		
50) Toluene-d8	10.565	98	177333	32.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	65.840%#		
62) 4-Bromofluorobenzene	12.847	95	138592	67.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	136.000%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	91402	46.187	ug/l	97
3) Chloromethane	2.371	50	101264	47.538	ug/l	100
4) Vinyl Chloride	2.524	62	138794	46.335	ug/l	97
5) Bromomethane	2.918	94	102607	47.135	ug/l	97
6) Chloroethane	3.089	64	98513	45.499	ug/l	93
7) Trichlorofluoromethane	3.489	101	192802	60.325	ug/l	98
8) Diethyl Ether	3.965	74	72967	62.446	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	111366	62.911	ug/l	94
10) Methyl Iodide	4.589	142	184637	68.785	ug/l	96
11) Tert butyl alcohol	5.541	59	133545	272.685	ug/l	100
12) 1,1-Dichloroethene	4.342	96	107380	63.402	ug/l	90
13) Acrolein	4.189	56	113241	281.108	ug/l	98
14) Allyl chloride	5.030	41	148442	61.946	ug/l	94
15) Acrylonitrile	5.724	53	301631	288.934	ug/l	99
16) Acetone	4.436	43	265604	291.456	ug/l	92
17) Carbon Disulfide	4.712	76	281098	65.888	ug/l	98
18) Methyl Acetate	5.036	43	151980	52.511	ug/l	95
19) Methyl tert-butyl Ether	5.800	73	384292	61.765	ug/l	97
20) Methylene Chloride	5.277	84	121947	60.260	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	120106	64.516	ug/l	92
22) Diisopropyl ether	6.677	45	317096	58.886	ug/l	98
23) Vinyl Acetate	6.612	43	1311311m	293.070	ug/l	
24) 1,1-Dichloroethane	6.577	63	203644	59.469	ug/l	98
25) 2-Butanone	7.488	43	389619	276.719	ug/l	96
26) 2,2-Dichloropropane	7.494	77	189238	60.131	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	144127	64.945	ug/l	93
28) Bromochloromethane	7.818	49	84417	59.252	ug/l	86
29) Tetrahydrofuran	7.841	42	251600	278.411	ug/l	98
30) Chloroform	7.971	83	226481	60.939	ug/l	97
31) Cyclohexane	8.259	56	182561	57.628	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	214344	63.345	ug/l	95
36) 1,1-Dichloropropene	8.377	75	169699	71.850	ug/l	97
37) Ethyl Acetate	7.565	43	154523	60.492	ug/l	100
38) Carbon Tetrachloride	8.365	117	192365	73.929	ug/l	97
39) Methylcyclohexane	9.606	83	220132	71.045	ug/l	93
40) Benzene	8.612	78	506072	70.003	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	77265	63.725	ug/l	95
42) 1,2-Dichloroethane	8.671	62	165897	63.947	ug/l	97
43) Isopropyl Acetate	8.694	43	248088	63.081	ug/l	97
44) Trichloroethene	9.353	130	138853	75.278	ug/l	94
45) 1,2-Dichloropropane	9.624	63	119547	69.726	ug/l	98
46) Dibromomethane	9.706	93	94200	70.378	ug/l	91
47) Bromodichloromethane	9.888	83	182523	70.428	ug/l	99
48) Methyl methacrylate	9.682	41	113289	62.385	ug/l	95
49) 1,4-Dioxane	9.700	88	65919	1360.682	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	809256	319.196	ug/l	96
52) Toluene	10.629	92	344215	71.838	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	197944	72.861	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	209547	72.454	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	134468	70.723	ug/l	96
56) Ethyl methacrylate	10.876	69	199952	69.421	ug/l	99
57) 1,3-Dichloropropane	11.165	76	218876	69.069	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	336978	306.198	ug/l	97
59) 2-Hexanone	11.194	43	623022	323.533	ug/l	97
60) Dibromochloromethane	11.359	129	153892	75.892	ug/l	99
61) 1,2-Dibromoethane	11.470	107	143150	73.158	ug/l	98
64) Tetrachloroethene	11.106	164	127847	82.860	ug/l	93
65) Chlorobenzene	11.894	112	372519	72.068	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	140967	73.401	ug/l	99
67) Ethyl Benzene	11.965	91	675412	73.162	ug/l	98
68) m/p-Xylenes	12.070	106	544956	147.853	ug/l	100
69) o-Xylene	12.400	106	269890	73.936	ug/l	96
70) Styrene	12.412	104	450000	77.058	ug/l	97
71) Bromoform	12.576	173	122290	84.058	ug/l #	99
73) Isopropylbenzene	12.694	105	706178	67.131	ug/l	98
74) N-amyl acetate	12.494	43	242445	63.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	206291	69.766	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	149855m	54.731	ug/l	
77) Bromobenzene	12.982	156	171546	72.626	ug/l	87
78) n-propylbenzene	13.035	91	816139	68.998	ug/l	99
79) 2-Chlorotoluene	13.123	91	476103	66.205	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	610032	69.058	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	71293	66.845	ug/l	91
82) 4-Chlorotoluene	13.123	91	476103	66.205	ug/l	98
83) tert-Butylbenzene	13.441	119	544535	69.163	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	619852	69.447	ug/l	98
85) sec-Butylbenzene	13.617	105	776093	70.603	ug/l	100
86) p-Isopropyltoluene	13.729	119	668216	73.454	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	335703	73.169	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	333884	73.480	ug/l	98
89) n-Butylbenzene	14.059	91	566433	77.064	ug/l	99
90) Hexachloroethane	14.335	117	113503	68.334	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	325389	71.231	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43508	62.148	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	185014	90.586	ug/l	99
94) Hexachlorobutadiene	15.500	225	92734	91.236	ug/l	98
95) Naphthalene	15.641	128	595534	78.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	178156	88.362	ug/l	98

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

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