

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075050.D
 Acq On : 27 Oct 2022 18:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 02:16:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	100254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	180353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	71383	52.845	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.680%			
35) Dibromofluoromethane	8.171	113	57379	51.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.280%			
50) Toluene-d8	10.571	98	232738	53.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.920%			
62) 4-Bromofluorobenzene	12.853	95	88217	57.685	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	62957	48.273	ug/l	96
3) Chloromethane	2.371	50	66045	47.676	ug/l	98
4) Vinyl Chloride	2.524	62	96192	48.675	ug/l	96
5) Bromomethane	2.930	94	75872	54.024	ug/l	97
6) Chloroethane	3.112	64	67496	47.630	ug/l	98
7) Trichlorofluoromethane	3.500	101	100431	49.748	ug/l	99
8) Diethyl Ether	3.971	74	36746	49.903	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	55366	49.660	ug/l	98
10) Methyl Iodide	4.600	142	80671	48.603	ug/l	99
11) Tert butyl alcohol	5.536	59	71706	227.629	ug/l	98
12) 1,1-Dichloroethene	4.353	96	50950	47.943	ug/l	98
13) Acrolein	4.189	56	53132	206.208	ug/l	98
14) Allyl chloride	5.036	41	77600	49.997	ug/l	100
15) Acrylonitrile	5.730	53	165856	249.242	ug/l	99
16) Acetone	4.436	43	135702	237.256	ug/l	100
17) Carbon Disulfide	4.718	76	126911	47.489	ug/l	98
18) Methyl Acetate	5.036	43	94649	50.660	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	198067	50.146	ug/l	100
20) Methylene Chloride	5.283	84	61411	48.155	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	56531	48.584	ug/l	98
22) Diisopropyl ether	6.683	45	174603	50.975	ug/l	96
23) Vinyl Acetate	6.612	43	736078m	257.347	ug/l	
24) 1,1-Dichloroethane	6.577	63	107917	49.816	ug/l	97
25) 2-Butanone	7.488	43	222921	247.789	ug/l	99
26) 2,2-Dichloropropane	7.494	77	98321	49.336	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	69299	49.872	ug/l	99
28) Bromochloromethane	7.824	49	49398	54.093	ug/l	99
29) Tetrahydrofuran	7.847	42	150147	258.277	ug/l	99
30) Chloroform	7.971	83	120220	51.113	ug/l	99
31) Cyclohexane	8.265	56	94315	46.946	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	110441	51.707	ug/l	96
36) 1,1-Dichloropropene	8.377	75	87885	50.590	ug/l	99
37) Ethyl Acetate	7.571	43	90707	47.612	ug/l	99
38) Carbon Tetrachloride	8.371	117	97398	50.969	ug/l	97
39) Methylcyclohexane	9.606	83	113869	49.651	ug/l	97
40) Benzene	8.612	78	267699	50.328	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	47150	51.657	ug/l	97
42) 1,2-Dichloroethane	8.677	62	95970	49.593	ug/l	99
43) Isopropyl Acetate	8.694	43	149632	50.634	ug/l	100
44) Trichloroethene	9.353	130	64978	48.692	ug/l	97
45) 1,2-Dichloropropane	9.629	63	65786	51.971	ug/l	93
46) Dibromomethane	9.712	93	48585	49.265	ug/l	99
47) Bromodichloromethane	9.888	83	96614	50.589	ug/l	95
48) Methyl methacrylate	9.682	41	68124	50.255	ug/l	97
49) 1,4-Dioxane	9.700	88	34002	957.881	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	484611	254.127	ug/l	100
52) Toluene	10.635	92	186261	52.385	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	107629	53.393	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	108427	50.713	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	72140	51.169	ug/l	95
56) Ethyl methacrylate	10.876	69	114616	53.297	ug/l	99
57) 1,3-Dichloropropane	11.165	76	121123	51.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	219662	264.211	ug/l	99
59) 2-Hexanone	11.200	43	370477	255.974	ug/l	99
60) Dibromochloromethane	11.365	129	78508	52.781	ug/l	98
61) 1,2-Dibromoethane	11.470	107	76071	52.651	ug/l	99
64) Tetrachloroethene	11.106	164	54289	49.098	ug/l	94
65) Chlorobenzene	11.894	112	196263	50.981	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	73185	51.247	ug/l	99
67) Ethyl Benzene	11.965	91	360429	52.039	ug/l	100
68) m/p-Xylenes	12.076	106	292541	105.265	ug/l	98
69) o-Xylene	12.400	106	145839	53.064	ug/l	97
70) Styrene	12.412	104	237033	54.089	ug/l	99
71) Bromoform	12.582	173	56913	53.230	ug/l #	98
73) Isopropylbenzene	12.700	105	379182	48.831	ug/l	99
74) N-amyl acetate	12.494	43	137871	48.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	120469	53.977	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	91975m	44.784	ug/l	
77) Bromobenzene	12.982	156	80408	47.027	ug/l	99
78) n-propylbenzene	13.035	91	434840	49.877	ug/l	100
79) 2-Chlorotoluene	13.129	91	262116	49.200	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	329918	50.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	37470	46.834	ug/l	97
82) 4-Chlorotoluene	13.129	91	262116	49.200	ug/l	100
83) tert-Butylbenzene	13.441	119	291686	50.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	335193	50.794	ug/l	99
85) sec-Butylbenzene	13.617	105	413824	51.044	ug/l	99
86) p-Isopropyltoluene	13.729	119	350710	52.380	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	167713	50.097	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	164816	49.746	ug/l	99
89) n-Butylbenzene	14.059	91	283349	52.552	ug/l	99
90) Hexachloroethane	14.335	117	60693	49.440	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	165920	49.854	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25385	48.464	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	72249	50.448	ug/l	99
94) Hexachlorobutadiene	15.506	225	32627	46.732	ug/l	99
95) Naphthalene	15.641	128	277983	50.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	71522	50.262	ug/l	99

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

