

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110122\
 Data File : VN075098.D
 Acq On : 01 Nov 2022 10:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/02/2022
 Supervised By : Mahesh Dadoda 11/02/2022

Quant Time: Nov 02 07:08:25 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	8.235	168	97499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	179863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	171529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	68582	52.206	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.420%			
35) Dibromofluoromethane	8.171	113	55755	52.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	10.571	98	214176	52.282	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.853	95	78569	54.598	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	61991	48.875	ug/l	98
3) Chloromethane	2.377	50	62880	46.674	ug/l	99
4) Vinyl Chloride	2.524	62	88420	46.006	ug/l	91
5) Bromomethane	2.930	94	73945	54.151	ug/l	96
6) Chloroethane	3.112	64	63804	46.297	ug/l	98
7) Trichlorofluoromethane	3.495	101	95595	48.691	ug/l	100
8) Diethyl Ether	3.971	74	36055	50.348	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	52933	48.820	ug/l	100
10) Methyl Iodide	4.600	142	76464	47.370	ug/l	99
11) Tert butyl alcohol	5.547	59	73331	239.365	ug/l	98
12) 1,1-Dichloroethene	4.347	96	47851	46.300	ug/l	99
13) Acrolein	4.189	56	61932	247.153	ug/l	99
14) Allyl chloride	5.036	41	74613	49.431	ug/l	99
15) Acrylonitrile	5.736	53	170862	264.020	ug/l	99
16) Acetone	4.442	43	148170	266.375	ug/l	96
17) Carbon Disulfide	4.718	76	119721	46.064	ug/l	98
18) Methyl Acetate	5.042	43	97205	53.499	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	200340	52.154	ug/l	97
20) Methylene Chloride	5.289	84	62344	50.268	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	54785	48.414	ug/l	96
22) Diisopropyl ether	6.683	45	174742	52.458	ug/l	96
23) Vinyl Acetate	6.612	43	652641	234.623	ug/l	99
24) 1,1-Dichloroethane	6.577	63	106550	50.575	ug/l	99
25) 2-Butanone	7.494	43	231625	264.739	ug/l	97
26) 2,2-Dichloropropane	7.494	77	98935	51.047	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	68848	50.947	ug/l	100
28) Bromochloromethane	7.818	49	46265	52.094	ug/l	99
29) Tetrahydrofuran	7.847	42	152382	269.529	ug/l	99
30) Chloroform	7.971	83	119949	52.439	ug/l	99
31) Cyclohexane	8.259	56	90749	46.447	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	108969	52.459	ug/l	99
36) 1,1-Dichloropropene	8.377	75	84825	51.890	ug/l	100
37) Ethyl Acetate	7.571	43	91093	50.812	ug/l	100
38) Carbon Tetrachloride	8.365	117	94300	52.442	ug/l	94
39) Methylcyclohexane	9.606	83	109695	50.830	ug/l	97
40) Benzene	8.612	78	258901	51.726	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	47218	54.975	ug/l	99
42) 1,2-Dichloroethane	8.677	62	95483	52.435	ug/l	100
43) Isopropyl Acetate	8.694	43	149609	53.801	ug/l	99
44) Trichloroethene	9.353	130	63059	50.217	ug/l	96
45) 1,2-Dichloropropane	9.624	63	65056	54.617	ug/l	96
46) Dibromomethane	9.712	93	49399	53.231	ug/l	99
47) Bromodichloromethane	9.894	83	95707	53.256	ug/l	100
48) Methyl methacrylate	9.682	41	67831	53.176	ug/l	97
49) 1,4-Dioxane	9.700	88	37278	1116.019	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	490587	273.392	ug/l	100
52) Toluene	10.635	92	178963	53.489	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	106854	56.332	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	111161	55.252	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	72500	54.649	ug/l	95
56) Ethyl methacrylate	10.876	69	112751	55.717	ug/l	99
57) 1,3-Dichloropropane	11.165	76	121890	55.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	220279	281.567	ug/l	100
59) 2-Hexanone	11.200	43	368461	270.544	ug/l	99
60) Dibromochloromethane	11.365	129	79195	56.581	ug/l	99
61) 1,2-Dibromoethane	11.471	107	74116	54.515	ug/l	100
64) Tetrachloroethene	11.106	164	54859	52.166	ug/l	96
65) Chlorobenzene	11.894	112	188735	51.548	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	72081	53.071	ug/l	98
67) Ethyl Benzene	11.965	91	348001	52.830	ug/l	99
68) m/p-Xylenes	12.076	106	280596	106.161	ug/l	99
69) o-Xylene	12.400	106	137005	52.414	ug/l	99
70) Styrene	12.412	104	229482	55.060	ug/l	99
71) Bromoform	12.582	173	56370	55.434	ug/l #	98
73) Isopropylbenzene	12.700	105	355560	48.495	ug/l	99
74) N-amyl acetate	12.494	43	132974	49.037	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	117542	55.913	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	107116m	55.239	ug/l	
77) Bromobenzene	12.982	156	79817	49.440	ug/l	98
78) n-propylbenzene	13.041	91	422232	51.293	ug/l	99
79) 2-Chlorotoluene	13.129	91	248927	49.486	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	319151	51.825	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	42003	55.603	ug/l	93
82) 4-Chlorotoluene	13.129	91	248927	49.486	ug/l	99
83) tert-Butylbenzene	13.441	119	271036	49.532	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	325149	52.184	ug/l	100
85) sec-Butylbenzene	13.617	105	395800	51.706	ug/l	99
86) p-Isopropyltoluene	13.729	119	341558	54.027	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	165981	52.510	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	164765	52.669	ug/l	98
89) n-Butylbenzene	14.059	91	281695	55.333	ug/l	100
90) Hexachloroethane	14.335	117	58601	50.556	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	160939	51.215	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23857	48.239	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	71886	53.161	ug/l	99
94) Hexachlorobutadiene	15.500	225	32424	49.185	ug/l	98
95) Naphthalene	15.641	128	273489	52.592	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	69930	52.047	ug/l	98

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

