

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075136.D
 Acq On : 03 Nov 2022 11:40
 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 11/04/2022
 Supervised By : Mahesh Dadoda 11/04/2022

Quant Time: Nov 04 04:09:00 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	93907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	174400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	165019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	66000	52.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	8.177	113	52096	50.884	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.760%			
50) Toluene-d8	10.571	98	210286	52.940	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.847	95	77096	55.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	50737	41.533	ug/l	99
3) Chloromethane	2.371	50	55282	42.604	ug/l	97
4) Vinyl Chloride	2.524	62	81224	43.878	ug/l	96
5) Bromomethane	2.930	94	69398	52.628	ug/l	97
6) Chloroethane	3.106	64	62761	47.282	ug/l	99
7) Trichlorofluoromethane	3.501	101	90619	47.922	ug/l	99
8) Diethyl Ether	3.971	74	32681	47.382	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	50403	48.264	ug/l	99
10) Methyl Iodide	4.595	142	70508	45.351	ug/l	99
11) Tert butyl alcohol	5.542	59	63790	216.186	ug/l	97
12) 1,1-Dichloroethene	4.348	96	46344	46.557	ug/l	97
13) Acrolein	4.189	56	49745	206.111	ug/l	99
14) Allyl chloride	5.030	41	62849	43.230	ug/l	94
15) Acrylonitrile	5.730	53	158579	254.413	ug/l	99
16) Acetone	4.442	43	132429	247.183	ug/l	93
17) Carbon Disulfide	4.718	76	110262	44.047	ug/l	98
18) Methyl Acetate	5.036	43	89670	51.239	ug/l	97
19) Methyl tert-butyl Ether	5.800	73	178374	48.212	ug/l	98
20) Methylene Chloride	5.283	84	56469	47.272	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	52175	47.871	ug/l	99
22) Diisopropyl ether	6.683	45	160957	50.168	ug/l	97
23) Vinyl Acetate	6.612	43	667356m	249.090	ug/l	
24) 1,1-Dichloroethane	6.571	63	100836	49.694	ug/l	99
25) 2-Butanone	7.488	43	214027	253.982	ug/l	96
26) 2,2-Dichloropropane	7.494	77	90574	48.520	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	63428	48.732	ug/l	99
28) Bromochloromethane	7.818	49	44023	51.466	ug/l	98
29) Tetrahydrofuran	7.841	42	140617	258.233	ug/l	99
30) Chloroform	7.971	83	112886	51.239	ug/l	99
31) Cyclohexane	8.259	56	87061	46.264	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	101124	50.545	ug/l	99
36) 1,1-Dichloropropene	8.377	75	82523	52.064	ug/l	99
37) Ethyl Acetate	7.565	43	84092	48.376	ug/l	99
38) Carbon Tetrachloride	8.371	117	89769	51.486	ug/l	97
39) Methylcyclohexane	9.600	83	103549	49.485	ug/l	98
40) Benzene	8.612	78	245948	50.677	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	44044	52.886	ug/l	98
42) 1,2-Dichloroethane	8.677	62	88576	50.165	ug/l	97
43) Isopropyl Acetate	8.694	43	136289	50.546	ug/l	100
44) Trichloroethene	9.353	130	60412	49.616	ug/l	95
45) 1,2-Dichloropropane	9.624	63	60973	52.792	ug/l	100
46) Dibromomethane	9.712	93	45714	50.804	ug/l	99
47) Bromodichloromethane	9.894	83	90135	51.727	ug/l	95
48) Methyl methacrylate	9.682	41	61843	50.001	ug/l	97
49) 1,4-Dioxane	9.694	88	32640	1007.777	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	454723	261.343	ug/l	100
52) Toluene	10.629	92	168180	51.840	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	96111	52.256	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	101197	51.875	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	66871	51.985	ug/l	96
56) Ethyl methacrylate	10.876	69	103820	52.911	ug/l	99
57) 1,3-Dichloropropane	11.165	76	113090	52.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	199252	262.667	ug/l	99
59) 2-Hexanone	11.200	43	345118	261.342	ug/l	100
60) Dibromochloromethane	11.359	129	71947	53.013	ug/l	99
61) 1,2-Dibromoethane	11.471	107	68979	52.325	ug/l	100
64) Tetrachloroethene	11.106	164	55024	54.387	ug/l	92
65) Chlorobenzene	11.894	112	179120	50.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	66700	51.046	ug/l	99
67) Ethyl Benzene	11.965	91	330283	52.118	ug/l	99
68) m/p-Xylenes	12.071	106	265767	104.517	ug/l	98
69) o-Xylene	12.400	106	128986	51.293	ug/l	98
70) Styrene	12.412	104	214743	53.556	ug/l	99
71) Bromoform	12.582	173	50668	51.792	ug/l #	100
73) Isopropylbenzene	12.700	105	335378	48.435	ug/l	99
74) N-amyl acetate	12.494	43	117421	45.850	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	106005	53.211	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	95768m	52.295	ug/l	
77) Bromobenzene	12.982	156	72961	47.855	ug/l	98
78) n-propylbenzene	13.035	91	397685	51.155	ug/l	98
79) 2-Chlorotoluene	13.129	91	231400	48.710	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	293118	50.400	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	37297	52.280	ug/l	96
82) 4-Chlorotoluene	13.129	91	231400	48.710	ug/l	99
83) tert-Butylbenzene	13.441	119	254060	49.163	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	299082	50.827	ug/l	99
85) sec-Butylbenzene	13.617	105	367423	50.825	ug/l	98
86) p-Isopropyltoluene	13.729	119	306615	51.356	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	148408	49.715	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	149168	50.491	ug/l	98
89) n-Butylbenzene	14.059	91	254429	52.920	ug/l	99
90) Hexachloroethane	14.335	117	53772	49.122	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	147021	49.540	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	23365	50.025	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	67300	52.699	ug/l	99
94) Hexachlorobutadiene	15.506	225	31300	50.276	ug/l	99
95) Naphthalene	15.641	128	247680	50.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	66992	52.796	ug/l	99

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

