

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079887.D
 Acq On : 04 Nov 2023 09:05
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 06 00:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	299636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	530222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	479672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	252809	55.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.760%			
35) Dibromofluoromethane	8.165	113	192594	51.321	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	10.571	98	723138	52.344	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.853	95	249423	54.438	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	188529	52.236	ug/l	97
3) Chloromethane	2.359	50	213296	47.379	ug/l	99
4) Vinyl Chloride	2.512	62	292699	61.955	ug/l	99
5) Bromomethane	2.947	94	149037	51.920	ug/l	96
6) Chloroethane	3.118	64	160072	42.880	ug/l	99
7) Trichlorofluoromethane	3.494	101	390699	66.490	ug/l	100
8) Diethyl Ether	3.959	74	163520	73.332	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	172599	50.669	ug/l	99
10) Methyl Iodide	4.594	142	202183	51.976	ug/l	98
11) Tert butyl alcohol	5.524	59	132995	228.221	ug/l	99
12) 1,1-Dichloroethene	4.341	96	166066	51.489	ug/l	85
13) Acrolein	4.183	56	117388	258.667	ug/l	99
14) Allyl chloride	5.024	41	267494	54.150	ug/l #	91
15) Acrylonitrile	5.718	53	477222	262.781	ug/l	99
16) Acetone	4.424	43	373221	232.751	ug/l	90
17) Carbon Disulfide	4.712	76	457754	49.204	ug/l	100
18) Methyl Acetate	5.024	43	398812	51.985	ug/l #	83
19) Methyl tert-butyl Ether	5.794	73	595704	53.647	ug/l #	90
20) Methylene Chloride	5.277	84	207518	51.288	ug/l #	86
21) trans-1,2-Dichloroethene	5.788	96	191247	53.167	ug/l #	81
22) Diisopropyl ether	6.671	45	675677	59.022	ug/l #	89
23) Vinyl Acetate	6.606	43	1665319	263.726	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	392822	56.456	ug/l	98
25) 2-Butanone	7.482	43	616384	262.500	ug/l #	78
26) 2,2-Dichloropropane	7.494	77	241907	42.038	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	229882	53.427	ug/l	87
28) Bromochloromethane	7.812	49	193811	57.156	ug/l #	74
29) Tetrahydrofuran	7.841	42	416543	272.657	ug/l #	75
30) Chloroform	7.965	83	401320	53.099	ug/l	95
31) Cyclohexane	8.259	56	318892	52.864	ug/l	83
32) 1,1,1-Trichloroethane	8.171	97	339555	55.138	ug/l	94
36) 1,1-Dichloropropene	8.371	75	292093	54.513	ug/l	94
37) Ethyl Acetate	7.559	43	252454	51.373	ug/l #	91
38) Carbon Tetrachloride	8.365	117	298088	55.200	ug/l	99
39) Methylcyclohexane	9.606	83	275662	54.667	ug/l #	87
40) Benzene	8.612	78	865704	53.942	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	146311	56.068	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	318134	56.750	ug/l	97
43) Isopropyl Acetate	8.688	43	439531	51.002	ug/l #	91
44) Trichloroethene	9.353	130	214136	53.771	ug/l	96
45) 1,2-Dichloropropane	9.624	63	235694	57.468	ug/l	97
46) Dibromomethane	9.712	93	152145	54.329	ug/l	96
47) Bromodichloromethane	9.888	83	316996	53.076	ug/l	100
48) Methyl methacrylate	9.682	41	212028	56.170	ug/l #	80
49) 1,4-Dioxane	9.694	88	69838	1047.056	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	1340497	276.289	ug/l	90
52) Toluene	10.635	92	527458	55.438	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	315245	53.843	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	346105	54.234	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	205839	53.788	ug/l	95
56) Ethyl methacrylate	10.876	69	308609	56.537	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	370465	54.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	700873	253.334	ug/l	89
59) 2-Hexanone	11.194	43	943491	254.199	ug/l	88
60) Dibromochloromethane	11.365	129	228194	55.708	ug/l	99
61) 1,2-Dibromoethane	11.470	107	207169	53.937	ug/l	96
64) Tetrachloroethene	11.106	164	195909	63.062	ug/l	98
65) Chlorobenzene	11.894	112	550651	52.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	206641	55.121	ug/l	96
67) Ethyl Benzene	11.965	91	1018041	56.158	ug/l	95
68) m/p-Xylenes	12.076	106	757656	112.195	ug/l	95
69) o-Xylene	12.400	106	367745	56.552	ug/l	94
70) Styrene	12.412	104	611340	58.498	ug/l	97
71) Bromoform	12.582	173	149560	56.184	ug/l #	100
73) Isopropylbenzene	12.700	105	920844	54.448	ug/l	99
74) N-amyl acetate	12.494	43	368512	49.920	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	286245	47.736	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	260743m	49.840	ug/l	
77) Bromobenzene	12.982	156	217526	52.535	ug/l	94
78) n-propylbenzene	13.035	91	1087475	56.150	ug/l	97
79) 2-Chlorotoluene	13.129	91	668414	54.025	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	753841	57.290	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	81556	42.414	ug/l #	86
82) 4-Chlorotoluene	13.223	91	666785	54.235	ug/l	99
83) tert-Butylbenzene	13.441	119	607622	56.414	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	749530	57.897	ug/l	99
85) sec-Butylbenzene	13.617	105	865537	58.003	ug/l	100
86) p-Isopropyltoluene	13.729	119	707949	58.189	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	397952	51.664	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	394117	50.409	ug/l	99
89) n-Butylbenzene	14.059	91	596319	56.907	ug/l	99
90) Hexachloroethane	14.335	117	129997	53.953	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	385827	53.061	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50690	49.849	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	182836	52.882	ug/l	97
94) Hexachlorobutadiene	15.500	225	83509	53.281	ug/l	99
95) Naphthalene	15.641	128	542046	46.230	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	178135	52.561	ug/l	98

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

