

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112822\
 Data File : VN075438.D
 Acq On : 28 Nov 2022 10:35
 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 11/29/2022
 Supervised By : Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 05:29:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	149331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	248149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	41060	51.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.440%			
35) Dibromofluoromethane	8.171	113	49994	51.286	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	10.570	98	113857	51.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.847	95	87949	54.271	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	52842	46.277	ug/l	97
3) Chloromethane	2.371	50	63507	44.697	ug/l	100
4) Vinyl Chloride	2.524	62	86217	48.148	ug/l	97
5) Bromomethane	2.918	94	88985	56.511	ug/l	100
6) Chloroethane	3.106	64	64892	47.826	ug/l	95
7) Trichlorofluoromethane	3.494	101	124326	48.600	ug/l	98
8) Diethyl Ether	3.965	74	46899	52.308	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	72960	51.663	ug/l	93
10) Methyl Iodide	4.600	142	112178	49.021	ug/l	96
11) Tert butyl alcohol	5.535	59	72738	216.162	ug/l	100
12) 1,1-Dichloroethene	4.347	96	67533	48.835	ug/l	91
13) Acrolein	4.189	56	75843	258.722	ug/l	99
14) Allyl chloride	5.030	41	90966	50.854	ug/l	95
15) Acrylonitrile	5.730	53	188931	244.724	ug/l	100
16) Acetone	4.441	43	174847	233.851	ug/l	95
17) Carbon Disulfide	4.718	76	161756	45.009	ug/l	100
18) Methyl Acetate	5.036	43	96748	51.363	ug/l	94
19) Methyl tert-butyl Ether	5.800	73	244462	49.902	ug/l	100
20) Methylene Chloride	5.283	84	79688	52.626	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	75198	47.715	ug/l	95
22) Diisopropyl ether	6.677	45	203736	49.911	ug/l	98
23) Vinyl Acetate	6.612	43	736168	226.689	ug/l	98
24) 1,1-Dichloroethane	6.571	63	131195	50.072	ug/l	96
25) 2-Butanone	7.488	43	253816	243.151	ug/l	95
26) 2,2-Dichloropropane	7.500	77	119490	49.070	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	92356	51.825	ug/l	92
28) Bromochloromethane	7.818	49	52444	49.310	ug/l	84
29) Tetrahydrofuran	7.841	42	159503	251.207	ug/l	98
30) Chloroform	7.971	83	151125	50.226	ug/l	99
31) Cyclohexane	8.265	56	117809	46.258	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	134558	49.253	ug/l	98
36) 1,1-Dichloropropene	8.377	75	106282	49.995	ug/l	96
37) Ethyl Acetate	7.565	43	93885	49.048	ug/l	97
38) Carbon Tetrachloride	8.365	117	123535	52.900	ug/l	95
39) Methylcyclohexane	9.600	83	139446	52.412	ug/l	98
40) Benzene	8.612	78	326530	50.168	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	51952	53.087	ug/l	98
42) 1,2-Dichloroethane	8.676	62	108792	49.908	ug/l	96
43) Isopropyl Acetate	8.694	43	157198	51.163	ug/l	97
44) Trichloroethene	9.353	130	89615	50.319	ug/l	96
45) 1,2-Dichloropropane	9.623	63	78243	50.445	ug/l	98
46) Dibromomethane	9.712	93	60295	51.394	ug/l	92
47) Bromodichloromethane	9.888	83	116985	51.492	ug/l	99
48) Methyl methacrylate	9.682	41	72690	51.165	ug/l	95
49) 1,4-Dioxane	9.694	88	39693	983.928	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	505811	258.473	ug/l	96
52) Toluene	10.629	92	220934	52.675	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	122933	53.898	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	134653	54.357	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	87919	51.466	ug/l	97
56) Ethyl methacrylate	10.876	69	125007	54.186	ug/l	97
57) 1,3-Dichloropropane	11.165	76	141411	50.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	234963	282.396	ug/l	96
59) 2-Hexanone	11.200	43	378070	257.285	ug/l	97
60) Dibromochloromethane	11.359	129	99484	56.736	ug/l	99
61) 1,2-Dibromoethane	11.470	107	92977	52.438	ug/l	100
64) Tetrachloroethene	11.106	164	85503	49.347	ug/l	93
65) Chlorobenzene	11.894	112	239235	51.056	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.964	131	91458	52.297	ug/l	99
67) Ethyl Benzene	11.964	91	425778	53.261	ug/l	99
68) m/p-Xylenes	12.070	106	348534	107.362	ug/l	99
69) o-Xylene	12.400	106	167779	52.017	ug/l	98
70) Styrene	12.412	104	278334	54.702	ug/l	99
71) Bromoform	12.582	173	76438	57.429	ug/l #	99
73) Isopropylbenzene	12.700	105	446361	50.957	ug/l	98
74) N-amyl acetate	12.494	43	136845	50.815	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	131184	49.121	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	113070m	49.878	ug/l	
77) Bromobenzene	12.982	156	107325	49.629	ug/l	86
78) n-propylbenzene	13.035	91	506675	51.829	ug/l	99
79) 2-Chlorotoluene	13.129	91	297925	50.580	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	385719	53.001	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	40892	53.372	ug/l	99
82) 4-Chlorotoluene	13.129	91	297925	50.580	ug/l	97
83) tert-Butylbenzene	13.441	119	337456	50.857	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	384687	52.698	ug/l	99
85) sec-Butylbenzene	13.617	105	482657	53.609	ug/l	99
86) p-Isopropyltoluene	13.729	119	415614	54.866	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	208976	51.002	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	209777	50.401	ug/l	98
89) n-Butylbenzene	14.058	91	338547	52.916	ug/l	98
90) Hexachloroethane	14.335	117	70966	54.306	ug/l	83
91) 1,2-Dichlorobenzene	14.106	146	206436	51.687	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25928	51.252	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	112069	54.754	ug/l	99
94) Hexachlorobutadiene	15.505	225	59564	55.870	ug/l	98
95) Naphthalene	15.641	128	340602	52.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	108087	53.731	ug/l	98

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

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