

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081085.D
 Acq On : 19 Feb 2024 18:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 20 00:26:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	351804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	661679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	273604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	225836	52.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.740%			
35) Dibromofluoromethane	8.165	113	191354	51.142	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.280%			
50) Toluene-d8	10.571	98	653813	49.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.853	95	262658	52.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	229564	50.458	ug/l	97
3) Chloromethane	2.365	50	227110	45.643	ug/l	95
4) Vinyl Chloride	2.518	62	240394	47.569	ug/l	95
5) Bromomethane	2.953	94	160050	44.590	ug/l	95
6) Chloroethane	3.118	64	159316	48.736	ug/l	99
7) Trichlorofluoromethane	3.501	101	348285	47.175	ug/l	100
8) Diethyl Ether	3.959	74	131050	48.551	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	190554	46.299	ug/l	92
10) Methyl Iodide	4.589	142	249744	54.363	ug/l	100
11) Tert butyl alcohol	5.512	59	236755	298.549	ug/l	99
12) 1,1-Dichloroethene	4.342	96	185323	46.582	ug/l	93
13) Acrolein	4.183	56	131964	310.474	ug/l	100
14) Allyl chloride	5.030	41	280994	47.601	ug/l #	92
15) Acrylonitrile	5.718	53	514866	248.595	ug/l	96
16) Acetone	4.418	43	406228	239.418	ug/l	98
17) Carbon Disulfide	4.718	76	475848	42.882	ug/l #	95
18) Methyl Acetate	5.024	43	237403	57.356	ug/l	91
19) Methyl tert-butyl Ether	5.794	73	691088	50.718	ug/l	95
20) Methylene Chloride	5.277	84	216301	49.264	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	198898	44.809	ug/l	94
22) Diisopropyl ether	6.671	45	675711	50.461	ug/l #	96
23) Vinyl Acetate	6.600	43	2632768	242.329	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	387864	50.094	ug/l	96
25) 2-Butanone	7.483	43	670519	244.616	ug/l	94
26) 2,2-Dichloropropane	7.494	77	329670	45.441	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	243001	47.119	ug/l	86
28) Bromochloromethane	7.812	49	174560	54.382	ug/l #	66
29) Tetrahydrofuran	7.841	42	458728	250.695	ug/l #	88
30) Chloroform	7.965	83	408406	49.617	ug/l	100
31) Cyclohexane	8.253	56	323582	43.459	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	361830	48.267	ug/l	94
36) 1,1-Dichloropropene	8.371	75	287966	44.923	ug/l	96
37) Ethyl Acetate	7.559	43	289413	50.026	ug/l	99
38) Carbon Tetrachloride	8.365	117	309908	47.786	ug/l	92
39) Methylcyclohexane	9.606	83	328872	44.011	ug/l	92
40) Benzene	8.606	78	885091	47.703	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	158301	48.079	ug/l	96
42) 1,2-Dichloroethane	8.671	62	319101	49.295	ug/l	98
43) Isopropyl Acetate	8.688	43	995725	98.412	ug/l #	83
44) Trichloroethene	9.353	130	217024	43.916	ug/l	94
45) 1,2-Dichloropropane	9.624	63	226663	48.837	ug/l	99
46) Dibromomethane	9.712	93	164040	48.509	ug/l	92
47) Bromodichloromethane	9.888	83	320666	50.068	ug/l #	99
48) Methyl methacrylate	9.682	41	227801	48.386	ug/l	89
49) 1,4-Dioxane	9.694	88	91962	1064.031	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1466187	251.906	ug/l	95
52) Toluene	10.629	92	554575	47.213	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	357291	50.201	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	373037	48.512	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	228818	50.648	ug/l	92
56) Ethyl methacrylate	10.877	69	350488	50.761	ug/l	88
57) 1,3-Dichloropropane	11.165	76	381980	48.899	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	843300	243.421	ug/l #	86
59) 2-Hexanone	11.200	43	1098173	237.988	ug/l	95
60) Dibromochloromethane	11.359	129	242061	50.436	ug/l	99
61) 1,2-Dibromoethane	11.471	107	231447	48.718	ug/l	97
64) Tetrachloroethene	11.106	164	178173	44.200	ug/l	88
65) Chlorobenzene	11.894	112	594949	46.542	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	225870	49.195	ug/l	97
67) Ethyl Benzene	11.965	91	1058191	46.262	ug/l	96
68) m/p-Xylenes	12.076	106	816052	93.076	ug/l	96
69) o-Xylene	12.400	106	404861	46.585	ug/l	95
70) Styrene	12.412	104	669840	48.639	ug/l	97
71) Bromoform	12.582	173	166165	57.044	ug/l #	99
73) Isopropylbenzene	12.694	105	1041799	43.520	ug/l	97
74) N-amyl acetate	12.494	43	474225	46.873	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	324546	48.215	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	244808m	39.381	ug/l	
77) Bromobenzene	12.982	156	241405	45.227	ug/l	76
78) n-propylbenzene	13.035	91	1228895	44.594	ug/l	95
79) 2-Chlorotoluene	13.129	91	729376	43.150	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	874570	45.059	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	126950	52.563	ug/l	97
82) 4-Chlorotoluene	13.223	91	727731	44.031	ug/l	95
83) tert-Butylbenzene	13.441	119	747306	44.528	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	889567	45.994	ug/l	96
85) sec-Butylbenzene	13.618	105	1056150	45.267	ug/l	94
86) p-Isopropyltoluene	13.729	119	881412	45.482	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	445527	44.176	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	457620	46.178	ug/l	96
89) n-Butylbenzene	14.059	91	788361	46.695	ug/l	96
90) Hexachloroethane	14.335	117	157889	49.289	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	442405	45.482	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	67615	48.314	ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	251287	46.306	ug/l	99
94) Hexachlorobutadiene	15.506	225	86988	42.982	ug/l	95
95) Naphthalene	15.641	128	952763	47.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	252836	46.966	ug/l	99

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

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