

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031424\
 Data File : VN081424.D
 Acq On : 14 Mar 2024 20:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2024
 Supervised By : Mahesh Dadoda 03/15/2024

Quant Time: Mar 15 01:19:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	293623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	490985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	196813	46.358	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.720%		
35) Dibromofluoromethane	8.171	113	149942	45.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.740%		
50) Toluene-d8	10.571	98	567300	45.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.840%		
62) 4-Bromofluorobenzene	12.853	95	209159	47.906	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	193833	49.799	ug/l	94
3) Chloromethane	2.359	50	185667	44.160	ug/l	99
4) Vinyl Chloride	2.518	62	203825	46.472	ug/l	91
5) Bromomethane	2.948	94	125116	42.712	ug/l	97
6) Chloroethane	3.118	64	139359	46.260	ug/l	97
7) Trichlorofluoromethane	3.495	101	314476	48.467	ug/l	94
8) Diethyl Ether	3.959	74	112139	49.055	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	175411	47.474	ug/l	93
10) Methyl Iodide	4.595	142	181513	53.682	ug/l	98
11) Tert butyl alcohol	5.524	59	205071	276.245	ug/l	100
12) 1,1-Dichloroethene	4.347	96	162246	47.415	ug/l	95
13) Acrolein	4.177	56	179423	204.114	ug/l	99
14) Allyl chloride	5.024	41	244200	48.088	ug/l #	90
15) Acrylonitrile	5.712	53	471453	243.099	ug/l	97
16) Acetone	4.424	43	377186	250.757	ug/l	98
17) Carbon Disulfide	4.718	76	427081	43.730	ug/l	97
18) Methyl Acetate	5.024	43	252641	58.664	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	597090	51.450	ug/l	97
20) Methylene Chloride	5.283	84	194418	52.352	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	182513	47.309	ug/l	92
22) Diisopropyl ether	6.671	45	611170	54.186	ug/l #	91
23) Vinyl Acetate	6.606	43	2337664	255.119	ug/l	97
24) 1,1-Dichloroethane	6.571	63	356684	51.660	ug/l	95
25) 2-Butanone	7.483	43	603607	239.617	ug/l	98
26) 2,2-Dichloropropane	7.488	77	271828	44.545	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	213227	48.751	ug/l	92
28) Bromochloromethane	7.818	49	146657	49.642	ug/l #	72
29) Tetrahydrofuran	7.841	42	410338	238.883	ug/l	89
30) Chloroform	7.965	83	372443	51.981	ug/l	92
31) Cyclohexane	8.259	56	285384	44.400	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	329619	52.046	ug/l	97
36) 1,1-Dichloropropene	8.377	75	259289	48.636	ug/l	97
37) Ethyl Acetate	7.565	43	257567	49.423	ug/l	99
38) Carbon Tetrachloride	8.365	117	277339	51.689	ug/l	94
39) Methylcyclohexane	9.606	83	282570	46.055	ug/l	88
40) Benzene	8.606	78	795873	50.014	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	148936	50.607	ug/l	96
42) 1,2-Dichloroethane	8.671	62	295652	52.694	ug/l	100
43) Isopropyl Acetate	8.688	43	438104	48.030	ug/l	98
44) Trichloroethene	9.353	130	201027	50.089	ug/l	94
45) 1,2-Dichloropropane	9.624	63	209668	52.450	ug/l	96
46) Dibromomethane	9.712	93	146329	51.932	ug/l	92
47) Bromodichloromethane	9.888	83	295184	53.964	ug/l #	97
48) Methyl methacrylate	9.682	41	208464	51.703	ug/l	91
49) 1,4-Dioxane	9.694	88	80154	901.945	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	1351633	255.198	ug/l	98
52) Toluene	10.635	92	499018	51.912	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	312067	52.728	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	333299	52.167	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	198437	52.056	ug/l	95
56) Ethyl methacrylate	10.876	69	298945	54.615	ug/l	92
57) 1,3-Dichloropropane	11.165	76	343564	51.641	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	783841	266.216	ug/l #	90
59) 2-Hexanone	11.200	43	1003919	253.545	ug/l	97
60) Dibromochloromethane	11.359	129	213084	54.277	ug/l	98
61) 1,2-Dibromoethane	11.471	107	195254	49.366	ug/l	94
64) Tetrachloroethene	11.106	164	192328	50.028	ug/l	94
65) Chlorobenzene	11.894	112	523358	50.584	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	194598	51.400	ug/l	97
67) Ethyl Benzene	11.965	91	963890	51.719	ug/l	98
68) m/p-Xylenes	12.070	106	722101	102.952	ug/l	99
69) o-Xylene	12.400	106	351715	51.741	ug/l	98
70) Styrene	12.412	104	596002	55.327	ug/l	98
71) Bromoform	12.582	173	136552	51.952	ug/l #	95
73) Isopropylbenzene	12.694	105	928768	51.003	ug/l	99
74) N-amyl acetate	12.494	43	390346	51.087	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	259881	46.243	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	255450m	47.958	ug/l	
77) Bromobenzene	12.982	156	206149	47.746	ug/l	80
78) n-propylbenzene	13.035	91	1121255	52.058	ug/l	97
79) 2-Chlorotoluene	13.129	91	666811	50.649	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	785682	52.194	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	91966	48.185	ug/l	91
82) 4-Chlorotoluene	13.223	91	660095	50.761	ug/l	97
83) tert-Butylbenzene	13.441	119	652691	50.575	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	795176	52.138	ug/l	97
85) sec-Butylbenzene	13.617	105	950706	50.922	ug/l	95
86) p-Isopropyltoluene	13.729	119	793248	52.980	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	387995	47.591	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	385247	47.277	ug/l	97
89) n-Butylbenzene	14.059	91	702223	51.143	ug/l	98
90) Hexachloroethane	14.335	117	140185	53.478	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	373455	47.744	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	54411	45.244	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	203132	48.584	ug/l	99
94) Hexachlorobutadiene	15.506	225	75540	43.724	ug/l	98
95) Naphthalene	15.641	128	736852	49.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	208404	49.151	ug/l	99

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

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