

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092023\
 Data File : VN079312.D
 Acq On : 20 Sep 2023 16:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 21 01:57:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	178708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	313765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	286652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126409	52.400	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	8.171	113	99528	47.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.380%			
50) Toluene-d8	10.571	98	375500	48.998	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.000%			
62) 4-Bromofluorobenzene	12.853	95	124253	50.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	91492	51.742	ug/l	99
3) Chloromethane	2.365	50	110959	47.802	ug/l	100
4) Vinyl Chloride	2.518	62	132481	52.380	ug/l	98
5) Bromomethane	2.936	94	76969	52.943	ug/l	95
6) Chloroethane	3.112	64	93969	58.250	ug/l	98
7) Trichlorofluoromethane	3.489	101	169283	45.708	ug/l	98
8) Diethyl Ether	3.959	74	65420	50.891	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	97264	49.382	ug/l	98
10) Methyl Iodide	4.589	142	105069	65.213	ug/l	98
11) Tert butyl alcohol	5.524	59	85856	192.771	ug/l	99
12) 1,1-Dichloroethene	4.336	96	88843	46.612	ug/l	87
13) Acrolein	4.183	56	111030	261.343	ug/l	97
14) Allyl chloride	5.024	41	148319	48.781	ug/l #	91
15) Acrylonitrile	5.724	53	285917	247.579	ug/l	99
16) Acetone	4.430	43	281118	274.381	ug/l	90
17) Carbon Disulfide	4.706	76	229853	38.585	ug/l	100
18) Methyl Acetate	5.024	43	214904	51.036	ug/l #	83
19) Methyl tert-butyl Ether	5.794	73	333500	51.019	ug/l	95
20) Methylene Chloride	5.277	84	114092	45.760	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	102954	46.564	ug/l #	81
22) Diisopropyl ether	6.671	45	372898	55.896	ug/l #	88
23) Vinyl Acetate	6.606	43	1104361	269.136	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	211976	51.544	ug/l	97
25) 2-Butanone	7.488	43	398608	268.143	ug/l #	83
26) 2,2-Dichloropropane	7.494	77	177043	52.460	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	124774	49.353	ug/l	86
28) Bromochloromethane	7.812	49	95929	51.591	ug/l #	75
29) Tetrahydrofuran	7.841	42	247015	261.113	ug/l #	76
30) Chloroform	7.965	83	223874	52.285	ug/l	93
31) Cyclohexane	8.253	56	167541	47.564	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	187397	51.343	ug/l	92
36) 1,1-Dichloropropene	8.377	75	154529	48.035	ug/l	95
37) Ethyl Acetate	7.559	43	149194	46.496	ug/l #	92
38) Carbon Tetrachloride	8.365	117	156610	47.043	ug/l	98
39) Methylcyclohexane	9.606	83	155719	49.072	ug/l #	90
40) Benzene	8.612	78	474595	48.192	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	87683	54.197	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	167417	49.381	ug/l	99
43) Isopropyl Acetate	8.694	43	257396	49.162	ug/l #	91
44) Trichloroethene	9.353	130	112817	46.503	ug/l	97
45) 1,2-Dichloropropane	9.624	63	128983	52.774	ug/l	98
46) Dibromomethane	9.712	93	83855	50.541	ug/l	96
47) Bromodichloromethane	9.894	83	175669	51.693	ug/l	99
48) Methyl methacrylate	9.682	41	123026	52.460	ug/l #	79
49) 1,4-Dioxane	9.694	88	44940	931.681	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	799570	263.081	ug/l	89
52) Toluene	10.635	92	291965	48.241	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	182258	50.863	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	198242	51.726	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	120071	50.561	ug/l	97
56) Ethyl methacrylate	10.877	69	176567	52.670	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	207468	50.537	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	349313	248.036	ug/l #	88
59) 2-Hexanone	11.200	43	581077	263.970	ug/l	88
60) Dibromochloromethane	11.365	129	123464	48.850	ug/l	99
61) 1,2-Dibromoethane	11.471	107	113307	47.810	ug/l	100
64) Tetrachloroethene	11.106	164	94687	45.301	ug/l	97
65) Chlorobenzene	11.894	112	301806	46.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	115037	47.242	ug/l	98
67) Ethyl Benzene	11.965	91	560971	50.504	ug/l	97
68) m/p-Xylenes	12.076	106	421326	101.766	ug/l	94
69) o-Xylene	12.400	106	203423	51.231	ug/l	95
70) Styrene	12.418	104	339245	53.122	ug/l	98
71) Bromoform	12.582	173	82540	45.915	ug/l #	99
73) Isopropylbenzene	12.700	105	534063	46.839	ug/l	98
74) N-amyl acetate	12.500	43	210586	48.680	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	172485	40.624	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	136716m	40.477	ug/l	
77) Bromobenzene	12.982	156	118955	41.202	ug/l	95
78) n-propylbenzene	13.041	91	634874	49.566	ug/l	97
79) 2-Chlorotoluene	13.129	91	377549	45.067	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	447867	47.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	51405	41.841	ug/l #	85
82) 4-Chlorotoluene	13.223	91	366860	46.604	ug/l	99
83) tert-Butylbenzene	13.441	119	358974	45.673	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	439504	48.574	ug/l	100
85) sec-Butylbenzene	13.618	105	524367	48.461	ug/l	99
86) p-Isopropyltoluene	13.735	119	423157	48.950	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	212215	44.814	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	207408	43.345	ug/l	99
89) n-Butylbenzene	14.059	91	351880	51.763	ug/l	98
90) Hexachloroethane	14.335	117	83648	47.649	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	206950	44.269	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27016	41.856	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	75209	44.769	ug/l	99
94) Hexachlorobutadiene	15.506	225	47662	36.066	ug/l	98
95) Naphthalene	15.647	128	192293	38.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	77262	38.989	ug/l	97

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

