

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092523\
 Data File : VN079336.D
 Acq On : 25 Sep 2023 09:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 06:17:37 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone

09/26/2023
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	184450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	295739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134279	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.582	65	145665	58.502	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.000%	
35) Dibromofluoromethane	8.171	113	114598	54.420	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.840%	
50) Toluene-d8	10.571	98	424836	54.943	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.880%	
62) 4-Bromofluorobenzene	12.853	95	140380	56.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.840%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.130	85	93622	51.298	ug/l	97
3) Chloromethane	2.365	50	120477	50.287	ug/l	100
4) Vinyl Chloride	2.518	62	141184	54.084	ug/l	97
5) Bromomethane	2.948	94	76733	51.138	ug/l	97
6) Chloroethane	3.118	64	97898	58.805	ug/l	94
7) Trichlorofluoromethane	3.495	101	179896	47.061	ug/l	99
8) Diethyl Ether	3.959	74	66617	50.209	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	102496	50.418	ug/l	98
10) Methyl Iodide	4.589	142	112091	67.406	ug/l	99
11) Tert butyl alcohol	5.524	59	88823	193.224	ug/l	99
12) 1,1-Dichloroethene	4.342	96	92845	47.195	ug/l #	83
13) Acrolein	4.177	56	95951	218.820	ug/l	96
14) Allyl chloride	5.030	41	149267	47.565	ug/l	91
15) Acrylonitrile	5.724	53	310608	260.586	ug/l	99
16) Acetone	4.430	43	342603	323.982	ug/l	92
17) Carbon Disulfide	4.712	76	244723	39.802	ug/l	99
18) Methyl Acetate	5.030	43	235499	54.186	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	356247	52.802	ug/l	93
20) Methylene Chloride	5.277	84	123163	47.861	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	109422	47.948	ug/l #	78
22) Diisopropyl ether	6.671	45	398043	57.808	ug/l #	91
23) Vinyl Acetate	6.606	43	1164811	275.031	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	229018	53.954	ug/l	99
25) 2-Butanone	7.488	43	438541	285.822	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	186345	53.497	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	132981	50.962	ug/l	86
28) Bromochloromethane	7.818	49	123928	64.574	ug/l #	75
29) Tetrahydrofuran	7.841	42	271561	278.123	ug/l #	75
30) Chloroform	7.965	83	237371	53.711	ug/l	95
31) Cyclohexane	8.259	56	174254	47.930	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	200411	53.199	ug/l	96
36) 1,1-Dichloropropene	8.377	75	167365	51.562	ug/l	94
37) Ethyl Acetate	7.565	43	170927	52.796	ug/l #	90
38) Carbon Tetrachloride	8.365	117	167796	49.955	ug/l	97
39) Methylcyclohexane	9.606	83	161555	50.459	ug/l #	86
40) Benzene	8.612	78	508767	51.202	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	88748	54.368	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	184503	53.937	ug/l	98
43) Isopropyl Acetate	8.694	43	277292	52.492	ug/l #	90
44) Trichloroethene	9.353	130	118486	48.406	ug/l	93
45) 1,2-Dichloropropane	9.624	63	139696	56.649	ug/l	97
46) Dibromomethane	9.712	93	90962	54.337	ug/l	97
47) Bromodichloromethane	9.894	83	191603	55.881	ug/l	93
48) Methyl methacrylate	9.682	41	132285	55.907	ug/l #	81
49) 1,4-Dioxane	9.700	88	48261	991.637	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	887698	289.482	ug/l	89
52) Toluene	10.635	92	313305	51.307	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	194736	53.862	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	210195	54.357	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	126856	52.943	ug/l	95
56) Ethyl methacrylate	10.876	69	185849	54.947	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	224651	54.236	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	406044	281.430	ug/l	89
59) 2-Hexanone	11.200	43	656107	295.406	ug/l	87
60) Dibromochloromethane	11.365	129	137336	53.856	ug/l	100
61) 1,2-Dibromoethane	11.470	107	122122	51.072	ug/l	99
64) Tetrachloroethene	11.106	164	98164	45.521	ug/l	93
65) Chlorobenzene	11.894	112	322878	48.193	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	127062	50.577	ug/l	96
67) Ethyl Benzene	11.965	91	604954	52.791	ug/l	98
68) m/p-Xylenes	12.076	106	454540	106.415	ug/l	95
69) o-Xylene	12.400	106	218225	53.271	ug/l	93
70) Styrene	12.412	104	372097	56.476	ug/l	98
71) Bromoform	12.582	173	91359	49.259	ug/l #	99
73) Isopropylbenzene	12.700	105	568072	46.499	ug/l	99
74) N-amyl acetate	12.500	43	229650	49.547	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	193913	42.625	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	169736m	46.901	ug/l	
77) Bromobenzene	12.982	156	129691	41.924	ug/l	93
78) n-propylbenzene	13.041	91	695814	50.701	ug/l	97
79) 2-Chlorotoluene	13.129	91	409418	45.612	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	479755	47.128	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	58411	44.373	ug/l #	86
82) 4-Chlorotoluene	13.223	91	407498	48.314	ug/l	98
83) tert-Butylbenzene	13.441	119	387635	46.030	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	479882	49.499	ug/l	99
85) sec-Butylbenzene	13.617	105	567081	48.913	ug/l	100
86) p-Isopropyltoluene	13.735	119	467914	50.517	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	239836	47.269	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	230983	45.052	ug/l	99
89) n-Butylbenzene	14.059	91	390916	53.670	ug/l	97
90) Hexachloroethane	14.335	117	88606	47.107	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	232586	46.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31313	45.278	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	97840	54.356	ug/l	97
94) Hexachlorobutadiene	15.506	225	61314	43.302	ug/l	97
95) Naphthalene	15.647	128	238778	44.665	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	103498	48.745	ug/l	98

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

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