

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083867.D
 Acq On : 13 Sep 2024 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 13 15:12:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/13/2024
 Supervised By : Mahesh Dadoda 09/13/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	138682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	219092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	107994	51.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.280%			
35) Dibromofluoromethane	8.165	113	75651	47.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.040%			
50) Toluene-d8	10.565	98	274343	49.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.640%			
62) 4-Bromofluorobenzene	12.847	95	106822	46.549	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77847	48.335	ug/l	98
3) Chloromethane	2.359	50	83713	50.934	ug/l	98
4) Vinyl Chloride	2.518	62	86002	48.717	ug/l	99
5) Bromomethane	2.900	94	49688	49.022	ug/l	95
6) Chloroethane	3.065	64	57679	46.578	ug/l	98
7) Trichlorofluoromethane	3.465	101	144267	48.144	ug/l	99
8) Diethyl Ether	3.953	74	53451	53.213	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	75408	47.477	ug/l	99
10) Methyl Iodide	4.577	142	101690	50.341	ug/l	95
11) Tert butyl alcohol	5.541	59	93858	335.181	ug/l	96
12) 1,1-Dichloroethene	4.324	96	75406	50.271	ug/l	93
13) Acrolein	4.177	56	70697	255.881	ug/l	95
14) Allyl chloride	5.006	41	127952	47.872	ug/l	97
15) Acrylonitrile	5.724	53	202873	266.404	ug/l	98
16) Acetone	4.430	43	185601	221.406	ug/l	99
17) Carbon Disulfide	4.694	76	187127	44.598	ug/l	99
18) Methyl Acetate	5.018	43	102445	58.987	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	286202	52.728	ug/l	100
20) Methylene Chloride	5.265	84	84698	49.374	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	77381	48.137	ug/l	95
22) Diisopropyl ether	6.665	45	291813	53.038	ug/l	98
23) Vinyl Acetate	6.600	43	1071088	265.831	ug/l	98
24) 1,1-Dichloroethane	6.565	63	158235	49.919	ug/l	98
25) 2-Butanone	7.482	43	282418	256.327	ug/l	98
26) 2,2-Dichloropropane	7.482	77	83203	28.502	ug/l	95
27) cis-1,2-Dichloroethene	7.482	96	95766	50.184	ug/l	97
28) Bromochloromethane	7.812	49	75539	56.589	ug/l	96
29) Tetrahydrofuran	7.835	42	181909	279.224	ug/l	98
30) Chloroform	7.965	83	169655	50.414	ug/l	99
31) Cyclohexane	8.247	56	131258	43.430	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	156881	50.700	ug/l	99
36) 1,1-Dichloropropene	8.371	75	113205	46.746	ug/l	98
37) Ethyl Acetate	7.559	43	114649	52.157	ug/l	99
38) Carbon Tetrachloride	8.359	117	133927	48.747	ug/l	97
39) Methylcyclohexane	9.600	83	120980	43.889	ug/l	97
40) Benzene	8.606	78	351308	48.197	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.776	41	62274	47.899	ug/l	94
42) 1,2-Dichloroethane	8.671	62	136064	49.957	ug/l	100
43) Isopropyl Acetate	8.688	43	208731	52.400	ug/l	98
44) Trichloroethene	9.347	130	82536	48.898	ug/l	99
45) 1,2-Dichloropropane	9.623	63	87653	49.755	ug/l	96
46) Dibromomethane	9.706	93	62382	50.555	ug/l	99
47) Bromodichloromethane	9.888	83	132183	49.497	ug/l	99
48) Methyl methacrylate	9.676	41	100039	52.934	ug/l	98
49) 1,4-Dioxane	9.694	88	31560	1015.132	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	590663	272.402	ug/l	97
52) Toluene	10.629	92	219465	49.225	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	126070	46.574	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	132725	46.678	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	83840	50.370	ug/l	97
56) Ethyl methacrylate	10.870	69	140739	54.958	ug/l	96
57) 1,3-Dichloropropane	11.165	76	144343	50.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	291604	316.022	ug/l	98
59) 2-Hexanone	11.194	43	430625	268.472	ug/l	98
60) Dibromochloromethane	11.359	129	95523	51.280	ug/l	99
61) 1,2-Dibromoethane	11.470	107	83312	50.188	ug/l	100
64) Tetrachloroethene	11.100	164	71851	49.314	ug/l	94
65) Chlorobenzene	11.888	112	230100	47.254	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	84878	50.281	ug/l	98
67) Ethyl Benzene	11.964	91	425946	49.241	ug/l	97
68) m/p-Xylenes	12.070	106	312076	97.174	ug/l	99
69) o-Xylene	12.400	106	155466	50.006	ug/l	98
70) Styrene	12.411	104	259943	50.946	ug/l	99
71) Bromoform	12.576	173	60781	53.432	ug/l #	97
73) Isopropylbenzene	12.694	105	399225	47.076	ug/l	99
74) N-amyl acetate	12.494	43	188757	52.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	120752	48.461	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	102875m	46.512	ug/l	
77) Bromobenzene	12.982	156	92093	45.114	ug/l	99
78) n-propylbenzene	13.035	91	454396	46.051	ug/l	99
79) 2-Chlorotoluene	13.123	91	294116	46.739	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	331523	46.368	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	34089	40.366	ug/l	92
82) 4-Chlorotoluene	13.217	91	293529	46.482	ug/l	100
83) tert-Butylbenzene	13.435	119	293146	46.863	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	337830	47.038	ug/l	99
85) sec-Butylbenzene	13.611	105	387968	46.766	ug/l	99
86) p-Isopropyltoluene	13.729	119	323346	46.496	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	171514	44.520	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	172069	44.109	ug/l	99
89) n-Butylbenzene	14.053	91	271193	43.434	ug/l	99
90) Hexachloroethane	14.335	117	63840	45.667	ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	173631	46.699	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26683	53.720	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	87990	44.101	ug/l	98
94) Hexachlorobutadiene	15.500	225	35617	42.035	ug/l	98
95) Naphthalene	15.641	128	301761	49.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	84359	44.241	ug/l	99

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

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