

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083958.D
 Acq On : 18 Sep 2024 03:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 18 05:41:42 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 09/18/2024
 Supervised By : Mahesh Dadoda 09/18/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	134320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	103103	50.906	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.820%			
35) Dibromofluoromethane	8.165	113	75452	50.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	10.565	98	275301	52.929	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.847	95	105532	49.178	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	75226	48.224	ug/l	97
3) Chloromethane	2.365	50	78520	49.265	ug/l	98
4) Vinyl Chloride	2.518	62	78417	45.863	ug/l	93
5) Bromomethane	2.947	94	51433	52.392	ug/l	100
6) Chloroethane	3.118	64	51756	43.153	ug/l	90
7) Trichlorofluoromethane	3.494	101	138662	47.776	ug/l	98
8) Diethyl Ether	3.959	74	48697	50.054	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	75845	49.303	ug/l	99
10) Methyl Iodide	4.588	142	94549	48.326	ug/l	95
11) Tert butyl alcohol	5.518	59	80529	296.921	ug/l	100
12) 1,1-Dichloroethene	4.347	96	72363	49.809	ug/l	92
13) Acrolein	4.183	56	62973	235.327	ug/l	96
14) Allyl chloride	5.024	41	128476	49.629	ug/l	98
15) Acrylonitrile	5.718	53	199651	270.687	ug/l	99
16) Acetone	4.424	43	176793	217.748	ug/l	98
17) Carbon Disulfide	4.712	76	182080	44.804	ug/l	100
18) Methyl Acetate	5.024	43	98410	58.488	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	268518	51.076	ug/l	99
20) Methylene Chloride	5.277	84	83142	50.041	ug/l	99
21) trans-1,2-Dichloroethene	5.788	96	74588	47.906	ug/l	91
22) Diisopropyl ether	6.671	45	285610	53.596	ug/l	99
23) Vinyl Acetate	6.600	43	1060930	271.861	ug/l	99
24) 1,1-Dichloroethane	6.565	63	157218	51.209	ug/l	99
25) 2-Butanone	7.482	43	271024	253.974	ug/l	100
26) 2,2-Dichloropropane	7.488	77	106208	37.564	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	93755	50.726	ug/l	99
28) Bromochloromethane	7.812	49	72238	55.873	ug/l	93
29) Tetrahydrofuran	7.835	42	176736	280.094	ug/l	98
30) Chloroform	7.965	83	167080	51.261	ug/l	100
31) Cyclohexane	8.259	56	124598	42.566	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	151561	50.571	ug/l	98
36) 1,1-Dichloropropene	8.371	75	112064	49.486	ug/l	98
37) Ethyl Acetate	7.559	43	114425	55.667	ug/l	98
38) Carbon Tetrachloride	8.365	117	130250	50.698	ug/l	98
39) Methylcyclohexane	9.600	83	119531	46.373	ug/l	97
40) Benzene	8.606	78	343321	50.370	ug/l	98

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	66492	54.692	ug/l	97
42) 1,2-Dichloroethane	8.665	62	133425	52.387	ug/l	99
43) Isopropyl Acetate	8.688	43	209526	56.250	ug/l	99
44) Trichloroethene	9.353	130	79562	50.406	ug/l	94
45) 1,2-Dichloropropane	9.618	63	86130	52.283	ug/l	100
46) Dibromomethane	9.706	93	61548	53.340	ug/l	97
47) Bromodichloromethane	9.888	83	135498	54.259	ug/l	99
48) Methyl methacrylate	9.676	41	97821	55.352	ug/l	97
49) 1,4-Dioxane	9.694	88	31233	1074.321	ug/l #	97
51) 4-Methyl-2-Pentanone	10.441	43	588747	290.358	ug/l	97
52) Toluene	10.629	92	216392	51.903	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	130038	51.373	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	138084	51.933	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	81365	52.275	ug/l	97
56) Ethyl methacrylate	10.870	69	136796	57.125	ug/l	96
57) 1,3-Dichloropropane	11.165	76	144273	53.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	287144	332.781	ug/l	97
59) 2-Hexanone	11.194	43	421957	281.322	ug/l	97
60) Dibromochloromethane	11.359	129	99332	57.025	ug/l	98
61) 1,2-Dibromoethane	11.470	107	82921	53.419	ug/l	98
64) Tetrachloroethene	11.100	164	69854	49.724	ug/l	97
65) Chlorobenzene	11.888	112	231312	49.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	82553	50.719	ug/l	99
67) Ethyl Benzene	11.964	91	422506	50.657	ug/l	100
68) m/p-Xylenes	12.070	106	317509	102.537	ug/l	99
69) o-Xylene	12.394	106	155894	52.005	ug/l	98
70) Styrene	12.412	104	264958	53.857	ug/l	100
71) Bromoform	12.576	173	62750	57.211	ug/l #	99
73) Isopropylbenzene	12.694	105	400026	50.201	ug/l	100
74) N-amyl acetate	12.494	43	183799	54.062	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	117433	50.158	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	101814m	48.990	ug/l	
77) Bromobenzene	12.976	156	93417	48.703	ug/l	100
78) n-propylbenzene	13.035	91	479582	51.727	ug/l	99
79) 2-Chlorotoluene	13.123	91	294725	49.845	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	338269	50.352	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	38185	48.122	ug/l	94
82) 4-Chlorotoluene	13.223	91	300752	50.686	ug/l	99
83) tert-Butylbenzene	13.435	119	295264	50.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	345613	51.214	ug/l	99
85) sec-Butylbenzene	13.617	105	406416	52.138	ug/l	99
86) p-Isopropyltoluene	13.729	119	339554	51.964	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	175636	48.519	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	175654	47.922	ug/l	99
89) n-Butylbenzene	14.053	91	295638	50.392	ug/l	99
90) Hexachloroethane	14.329	117	63501	48.344	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	174478	49.943	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25329	54.271	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	86405	46.090	ug/l	98
94) Hexachlorobutadiene	15.500	225	38271	48.070	ug/l	98
95) Naphthalene	15.641	128	279575	49.018	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	84167	46.977	ug/l	99

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

