

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083904.D
 Acq On : 14 Sep 2024 20:44
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2024
 Supervised By : Mahesh Dadoda 09/16/2024

Quant Time: Sep 16 01:43:35 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	137485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	114952	55.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.900%			
35) Dibromofluoromethane	8.171	113	82910	53.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.565	98	301618	56.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.580%			
62) 4-Bromofluorobenzene	12.847	95	117726	53.250	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	82964	51.961	ug/l	99
3) Chloromethane	2.359	50	87605	53.873	ug/l	98
4) Vinyl Chloride	2.518	62	91603	52.341	ug/l	99
5) Bromomethane	2.948	94	56118	55.848	ug/l	99
6) Chloroethane	3.112	64	60586	49.352	ug/l	95
7) Trichlorofluoromethane	3.495	101	151202	50.898	ug/l	99
8) Diethyl Ether	3.959	74	51723	51.941	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	103357	65.641	ug/l	99
10) Methyl Iodide	4.589	142	100100	49.986	ug/l	95
11) Tert butyl alcohol	5.524	59	80563	290.208	ug/l	99
12) 1,1-Dichloroethene	4.342	96	76491	51.438	ug/l	98
13) Acrolein	4.177	56	73768	269.321	ug/l	100
14) Allyl chloride	5.024	41	138767	52.371	ug/l	99
15) Acrylonitrile	5.718	53	206266	273.218	ug/l	99
16) Acetone	4.424	43	180584	217.297	ug/l	95
17) Carbon Disulfide	4.712	76	204550	49.174	ug/l	99
18) Methyl Acetate	5.018	43	97919	56.803	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	287070	53.348	ug/l	96
20) Methylene Chloride	5.277	84	89027	52.349	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	82250	51.611	ug/l	92
22) Diisopropyl ether	6.671	45	296481	54.355	ug/l	98
23) Vinyl Acetate	6.600	43	1103280	276.205	ug/l	98
24) 1,1-Dichloroethane	6.571	63	166505	52.986	ug/l	98
25) 2-Butanone	7.483	43	282904	259.003	ug/l	100
26) 2,2-Dichloropropane	7.488	77	116710	40.329	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	101116	53.449	ug/l	100
28) Bromochloromethane	7.812	49	75864	57.327	ug/l	93
29) Tetrahydrofuran	7.841	42	181703	281.337	ug/l	97
30) Chloroform	7.965	83	176477	52.898	ug/l	96
31) Cyclohexane	8.259	56	136944	45.706	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	161521	52.654	ug/l	97
36) 1,1-Dichloropropene	8.371	75	119123	51.059	ug/l	100
37) Ethyl Acetate	7.559	43	116108	54.827	ug/l	99
38) Carbon Tetrachloride	8.359	117	141040	53.287	ug/l	98
39) Methylcyclohexane	9.600	83	131613	49.561	ug/l	98
40) Benzene	8.606	78	360757	51.374	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	67975	54.270	ug/l	98
42) 1,2-Dichloroethane	8.671	62	139818	53.286	ug/l	98
43) Isopropyl Acetate	8.688	43	214674	55.940	ug/l	98
44) Trichloroethene	9.353	130	223819	137.638	ug/l	91
45) 1,2-Dichloropropane	9.618	63	89196	52.554	ug/l	95
46) Dibromomethane	9.706	93	63198	53.162	ug/l	99
47) Bromodichloromethane	9.888	83	142270	55.298	ug/l	97
48) Methyl methacrylate	9.682	41	104268	57.268	ug/l	98
49) 1,4-Dioxane	9.694	88	33275	1110.959	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	606103	290.142	ug/l	98
52) Toluene	10.629	92	227767	53.028	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	138664	53.172	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	146260	53.393	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	85279	53.181	ug/l	98
56) Ethyl methacrylate	10.876	69	145667	59.043	ug/l	96
57) 1,3-Dichloropropane	11.165	76	145963	52.962	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	320366	360.383	ug/l	97
59) 2-Hexanone	11.194	43	440983	285.375	ug/l	97
60) Dibromochloromethane	11.359	129	102908	57.343	ug/l	99
61) 1,2-Dibromoethane	11.471	107	85832	53.671	ug/l	100
64) Tetrachloroethene	11.106	164	73904	51.009	ug/l	98
65) Chlorobenzene	11.888	112	240594	49.687	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	87373	52.050	ug/l	100
67) Ethyl Benzene	11.965	91	451984	52.546	ug/l	98
68) m/p-Xylenes	12.071	106	329633	103.219	ug/l	98
69) o-Xylene	12.400	106	161962	52.389	ug/l	99
70) Styrene	12.412	104	278442	54.879	ug/l	100
71) Bromoform	12.576	173	66839	59.088	ug/l #	100
73) Isopropylbenzene	12.694	105	423473	52.400	ug/l	100
74) N-amyl acetate	12.494	43	196781	57.071	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	122803	51.717	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	105663m	50.131	ug/l	
77) Bromobenzene	12.976	156	97077	49.903	ug/l	100
78) n-propylbenzene	13.035	91	496410	52.793	ug/l	99
79) 2-Chlorotoluene	13.123	91	306714	51.147	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	355383	52.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	38350m	47.653	ug/l	
82) 4-Chlorotoluene	13.217	91	311287	51.728	ug/l	100
83) tert-Butylbenzene	13.435	119	307190	51.533	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	363982	53.181	ug/l	99
85) sec-Butylbenzene	13.617	105	420749	53.221	ug/l	98
86) p-Isopropyltoluene	13.729	119	354876	53.549	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	181436	49.420	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	182713	49.150	ug/l	99
89) n-Butylbenzene	14.053	91	306664	51.539	ug/l	99
90) Hexachloroethane	14.335	117	66638	50.022	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	180186	50.855	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25435	53.735	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	91227	47.981	ug/l	98
94) Hexachlorobutadiene	15.500	225	38848	48.112	ug/l	99
95) Naphthalene	15.641	128	306175	52.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	90191	49.634	ug/l	99

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

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