

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083880.D
 Acq On : 14 Sep 2024 10:59
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 01:29:43 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	146601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105433	47.696	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.400%		
35) Dibromofluoromethane	8.165	113	76750	47.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.620%		
50) Toluene-d8	10.565	98	281250	50.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.300%		
62) 4-Bromofluorobenzene	12.847	95	107619	46.510	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	88149	51.775	ug/l	96
3) Chloromethane	2.359	50	89753	51.686	ug/l	100
4) Vinyl Chloride	2.518	62	94499	50.639	ug/l	99
5) Bromomethane	2.953	94	62443	58.279	ug/l	99
6) Chloroethane	3.118	64	62753	47.938	ug/l	95
7) Trichlorofluoromethane	3.495	101	159573	50.376	ug/l	100
8) Diethyl Ether	3.959	74	54430	51.260	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	87201	51.936	ug/l	98
10) Methyl Iodide	4.589	142	111469	52.201	ug/l	97
11) Tert butyl alcohol	5.524	59	84294	284.766	ug/l	99
12) 1,1-Dichloroethene	4.342	96	81622	51.476	ug/l	95
13) Acrolein	4.177	56	83707	286.604	ug/l	98
14) Allyl chloride	5.024	41	133363	47.202	ug/l	90
15) Acrylonitrile	5.718	53	215591	267.813	ug/l	99
16) Acetone	4.424	43	232013	261.821	ug/l	100
17) Carbon Disulfide	4.712	76	210081	47.364	ug/l	96
18) Methyl Acetate	5.018	43	103856	56.491	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	297212	51.798	ug/l	98
20) Methylene Chloride	5.277	84	93006	51.289	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	86024	50.623	ug/l	88
22) Diisopropyl ether	6.671	45	309599	53.231	ug/l	99
23) Vinyl Acetate	6.600	43	1175073	275.886	ug/l	99
24) 1,1-Dichloroethane	6.571	63	173013	51.633	ug/l	99
25) 2-Butanone	7.483	43	317444	272.553	ug/l	100
26) 2,2-Dichloropropane	7.488	77	159869	51.807	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	103654	51.384	ug/l	97
28) Bromochloromethane	7.812	49	73645	52.190	ug/l	97
29) Tetrahydrofuran	7.835	42	190628	276.802	ug/l	98
30) Chloroform	7.965	83	185642	52.185	ug/l	97
31) Cyclohexane	8.259	56	143768	45.000	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	172264	52.664	ug/l	98
36) 1,1-Dichloropropene	8.371	75	124868	51.138	ug/l	99
37) Ethyl Acetate	7.559	43	120134	54.202	ug/l	100
38) Carbon Tetrachloride	8.359	117	143633	51.849	ug/l	99
39) Methylcyclohexane	9.600	83	139507	50.194	ug/l	96
40) Benzene	8.606	78	379742	51.669	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	70902	54.086	ug/l	97
42) 1,2-Dichloroethane	8.671	62	145707	53.057	ug/l	99
43) Isopropyl Acetate	8.688	43	220113	54.803	ug/l	98
44) Trichloroethene	9.353	130	88395	51.937	ug/l	92
45) 1,2-Dichloropropane	9.624	63	93163	52.447	ug/l	98
46) Dibromomethane	9.712	93	67258	54.057	ug/l	98
47) Bromodichloromethane	9.888	83	148732	55.235	ug/l	99
48) Methyl methacrylate	9.682	41	108373	56.872	ug/l	97
49) 1,4-Dioxane	9.694	88	34292	1093.919	ug/l #	99
51) 4-Methyl-2-Pentanone	10.441	43	637212	291.448	ug/l	98
52) Toluene	10.629	92	242204	53.877	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	151571	55.533	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	157718	55.011	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	89745	53.474	ug/l	97
56) Ethyl methacrylate	10.871	69	151549	58.691	ug/l	97
57) 1,3-Dichloropropane	11.159	76	158025	54.785	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	341553	367.103	ug/l	98
59) 2-Hexanone	11.194	43	478098	295.613	ug/l	98
60) Dibromochloromethane	11.359	129	109143	58.109	ug/l	98
61) 1,2-Dibromoethane	11.471	107	89775	53.636	ug/l	99
64) Tetrachloroethene	11.100	164	76563	50.762	ug/l	98
65) Chlorobenzene	11.888	112	259784	51.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	92511	52.940	ug/l	99
67) Ethyl Benzene	11.965	91	478279	53.412	ug/l	99
68) m/p-Xylenes	12.070	106	353577	106.355	ug/l	99
69) o-Xylene	12.394	106	169608	52.700	ug/l	98
70) Styrene	12.412	104	292908	55.456	ug/l	99
71) Bromoform	12.576	173	68423	58.105	ug/l #	100
73) Isopropylbenzene	12.694	105	443391	52.706	ug/l	99
74) N-amyl acetate	12.494	43	201371	56.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	129886	52.548	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	109203m	49.772	ug/l	
77) Bromobenzene	12.976	156	102837	50.784	ug/l	99
78) n-propylbenzene	13.035	91	527420	53.884	ug/l	98
79) 2-Chlorotoluene	13.123	91	322891	51.726	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	380077	53.588	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	45759	54.623	ug/l	86
82) 4-Chlorotoluene	13.217	91	331044	52.846	ug/l	100
83) tert-Butylbenzene	13.435	119	326391	52.599	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	382172	53.642	ug/l	99
85) sec-Butylbenzene	13.617	105	442066	53.717	ug/l	100
86) p-Isopropyltoluene	13.729	119	371990	53.923	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	194107	50.791	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	189980	49.094	ug/l	99
89) n-Butylbenzene	14.053	91	328684	53.067	ug/l	99
90) Hexachloroethane	14.329	117	70585	50.900	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	190376	51.617	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26237	53.249	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	95000	47.999	ug/l	99
94) Hexachlorobutadiene	15.500	225	40640	48.351	ug/l	100
95) Naphthalene	15.641	128	313509	52.066	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	91942	48.607	ug/l	99

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

