

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084122.D
 Acq On : 24 Sep 2024 09:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2024
 Supervised By : Mahesh Dadoda 09/25/2024

Quant Time: Sep 25 01:28:15 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	156801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120021	50.763	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.520%			
35) Dibromofluoromethane	8.165	113	90647	52.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	10.565	98	328786	55.306	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.620%			
62) 4-Bromofluorobenzene	12.847	95	126291	51.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	80005	43.935	ug/l	100
3) Chloromethane	2.359	50	87040	46.685	ug/l	97
4) Vinyl Chloride	2.518	62	90375	45.278	ug/l	98
5) Bromomethane	2.948	94	55922	48.797	ug/l	98
6) Chloroethane	3.118	64	58738	41.952	ug/l	96
7) Trichlorofluoromethane	3.500	101	156026	46.052	ug/l	99
8) Diethyl Ether	3.959	74	56469	49.721	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	89560	49.872	ug/l	99
10) Methyl Iodide	4.589	142	109661	48.014	ug/l	97
11) Tert butyl alcohol	5.518	59	87413	276.093	ug/l	100
12) 1,1-Dichloroethene	4.342	96	83386	49.167	ug/l	95
13) Acrolein	4.177	56	107127	342.932	ug/l	99
14) Allyl chloride	5.024	41	139625	46.203	ug/l	95
15) Acrylonitrile	5.718	53	235822	273.888	ug/l	100
16) Acetone	4.424	43	258063	272.274	ug/l	99
17) Carbon Disulfide	4.712	76	201089	42.387	ug/l	100
18) Methyl Acetate	5.024	43	120871	61.639	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	315497	51.408	ug/l	95
20) Methylene Chloride	5.277	84	98071	50.564	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	87658	48.228	ug/l	97
22) Diisopropyl ether	6.671	45	343119	55.156	ug/l	97
23) Vinyl Acetate	6.600	43	1217137	267.172	ug/l	99
24) 1,1-Dichloroethane	6.565	63	183627	51.236	ug/l	100
25) 2-Butanone	7.483	43	336983	270.508	ug/l	99
26) 2,2-Dichloropropane	7.488	77	171192	51.868	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	111470	51.664	ug/l	99
28) Bromochloromethane	7.812	49	72329	47.923	ug/l	96
29) Tetrahydrofuran	7.835	42	203991	276.937	ug/l	97
30) Chloroform	7.965	83	196594	51.669	ug/l	98
31) Cyclohexane	8.253	56	144247	42.213	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	173134	49.487	ug/l	99
36) 1,1-Dichloropropene	8.371	75	129760	50.134	ug/l	99
37) Ethyl Acetate	7.559	43	134571	57.280	ug/l	97
38) Carbon Tetrachloride	8.359	117	146374	49.849	ug/l	98
39) Methylcyclohexane	9.600	83	139353	47.301	ug/l	93
40) Benzene	8.606	78	399996	51.345	ug/l	100

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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	7.777	41	77749	55.953	ug/l	98
42) 1,2-Dichloroethane	8.671	62	147488	50.666	ug/l	100
43) Isopropyl Acetate	8.688	43	236857	55.634	ug/l	98
44) Trichloroethene	9.353	130	92646	51.355	ug/l	96
45) 1,2-Dichloropropane	9.618	63	102439	54.405	ug/l	97
46) Dibromomethane	9.706	93	69971	53.055	ug/l	99
47) Bromodichloromethane	9.888	83	154885	54.265	ug/l	100
48) Methyl methacrylate	9.682	41	111832	55.366	ug/l	98
49) 1,4-Dioxane	9.694	88	36045	1084.773	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	676449	291.886	ug/l	99
52) Toluene	10.629	92	253477	53.194	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	158138	54.660	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	169339	55.722	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	96032	53.982	ug/l	99
56) Ethyl methacrylate	10.871	69	156965	57.349	ug/l	98
57) 1,3-Dichloropropane	11.165	76	166574	54.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	371331	376.524	ug/l	96
59) 2-Hexanone	11.194	43	504900	294.519	ug/l	99
60) Dibromochloromethane	11.359	129	115399	57.963	ug/l	100
61) 1,2-Dibromoethane	11.470	107	94511	53.270	ug/l	100
64) Tetrachloroethene	11.106	164	78799	49.681	ug/l	95
65) Chlorobenzene	11.888	112	269848	50.907	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	96732	52.639	ug/l	99
67) Ethyl Benzene	11.965	91	495208	52.589	ug/l	99
68) m/p-Xylenes	12.070	106	371501	106.264	ug/l	99
69) o-Xylene	12.400	106	180668	53.382	ug/l	98
70) Styrene	12.412	104	309519	55.725	ug/l	99
71) Bromoform	12.576	173	73602	59.437	ug/l #	100
73) Isopropylbenzene	12.694	105	466779	51.891	ug/l	99
74) N-amyl acetate	12.494	43	208103	54.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	138595	52.438	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	114942m	48.993	ug/l	
77) Bromobenzene	12.982	156	108882	50.285	ug/l	99
78) n-propylbenzene	13.035	91	563682	53.857	ug/l	99
79) 2-Chlorotoluene	13.123	91	340155	50.961	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	402930	53.129	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	48846	54.529	ug/l	99
82) 4-Chlorotoluene	13.223	91	347260	51.843	ug/l	98
83) tert-Butylbenzene	13.435	119	345769	52.112	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	405405	53.216	ug/l	99
85) sec-Butylbenzene	13.617	105	480926	54.653	ug/l	100
86) p-Isopropyltoluene	13.729	119	401708	54.458	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	204954	50.155	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	205015	49.547	ug/l	99
89) n-Butylbenzene	14.053	91	354808	53.573	ug/l	100
90) Hexachloroethane	14.335	117	77057	51.967	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	199857	50.676	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27011	51.267	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	102963	48.652	ug/l	98
94) Hexachlorobutadiene	15.500	225	45833	50.996	ug/l	98
95) Naphthalene	15.641	128	322553	50.096	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	100970	49.921	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

