

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101124\
 Data File : VN084401.D
 Acq On : 11 Oct 2024 15:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/14/2024
 Supervised By : Mahesh Dadoda 10/14/2024

Quant Time: Oct 14 02:06:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	175904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118616	45.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.960%		
35) Dibromofluoromethane	8.165	113	95845	49.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	10.565	98	356203	49.686	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.380%		
62) 4-Bromofluorobenzene	12.847	95	132488	50.727	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	87617	42.110	ug/l	95
3) Chloromethane	2.365	50	96317	40.542	ug/l	98
4) Vinyl Chloride	2.512	62	97308	42.284	ug/l	97
5) Bromomethane	2.947	94	60250	39.692	ug/l	96
6) Chloroethane	3.118	64	62114	37.688	ug/l	97
7) Trichlorofluoromethane	3.500	101	163647	45.667	ug/l	99
8) Diethyl Ether	3.959	74	57716	43.426	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	97451	47.460	ug/l	99
10) Methyl Iodide	4.594	142	118876	44.956	ug/l	96
11) Tert butyl alcohol	5.518	59	81869	190.369	ug/l	98
12) 1,1-Dichloroethene	4.341	96	89259	45.068	ug/l	98
13) Acrolein	4.177	56	109367	221.521	ug/l	97
14) Allyl chloride	5.024	41	161209	46.867	ug/l	92
15) Acrylonitrile	5.718	53	250271	230.450	ug/l	100
16) Acetone	4.424	43	254452	227.111	ug/l	98
17) Carbon Disulfide	4.712	76	236352	37.692	ug/l	99
18) Methyl Acetate	5.024	43	123039	50.385	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	313827	46.947	ug/l	100
20) Methylene Chloride	5.271	84	105754	46.434	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	94460	45.523	ug/l	99
22) Diisopropyl ether	6.671	45	340936	47.919	ug/l	99
23) Vinyl Acetate	6.600	43	1202786	227.929	ug/l	100
24) 1,1-Dichloroethane	6.571	63	190316	47.833	ug/l	98
25) 2-Butanone	7.482	43	348819	228.586	ug/l	97
26) 2,2-Dichloropropane	7.494	77	170563	47.544	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118692	47.337	ug/l	98
28) Bromochloromethane	7.812	49	75687	42.635	ug/l	97
29) Tetrahydrofuran	7.841	42	213141	226.334	ug/l	99
30) Chloroform	7.965	83	198185	47.953	ug/l	97
31) Cyclohexane	8.253	56	155896	40.355	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	176829	47.640	ug/l	98
36) 1,1-Dichloropropene	8.371	75	135089	47.728	ug/l	99
37) Ethyl Acetate	7.559	43	133261	45.892	ug/l	99
38) Carbon Tetrachloride	8.359	117	152488	49.113	ug/l	94
39) Methylcyclohexane	9.600	83	148738	47.216	ug/l	99
40) Benzene	8.606	78	425185	48.214	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75935	48.169	ug/l	97
42) 1,2-Dichloroethane	8.671	62	145104	48.536	ug/l	100
43) Isopropyl Acetate	8.688	43	225110	39.579	ug/l	98
44) Trichloroethene	9.353	130	99404	48.262	ug/l	99
45) 1,2-Dichloropropane	9.618	63	106053	50.837	ug/l	100
46) Dibromomethane	9.712	93	75065	53.320	ug/l	98
47) Bromodichloromethane	9.888	83	158822	50.779	ug/l	97
48) Methyl methacrylate	9.682	41	108270	47.821	ug/l	99
49) 1,4-Dioxane	9.694	88	38973	935.004	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	692824	250.636	ug/l	100
52) Toluene	10.629	92	271293	50.449	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	160745	50.418	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	172650	50.345	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	102297	53.063	ug/l	95
56) Ethyl methacrylate	10.876	69	160905	50.724	ug/l	99
57) 1,3-Dichloropropane	11.165	76	173510	50.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	372036	252.822	ug/l	99
59) 2-Hexanone	11.194	43	515913	249.710	ug/l	98
60) Dibromochloromethane	11.359	129	118711	52.117	ug/l	100
61) 1,2-Dibromoethane	11.470	107	99232	49.537	ug/l	100
64) Tetrachloroethene	11.100	164	86104	46.285	ug/l	96
65) Chlorobenzene	11.888	112	288563	48.728	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	101409	49.717	ug/l	99
67) Ethyl Benzene	11.965	91	517792	49.442	ug/l	99
68) m/p-Xylenes	12.070	106	390403	100.777	ug/l	99
69) o-Xylene	12.400	106	192080	52.406	ug/l	97
70) Styrene	12.412	104	327270	52.716	ug/l	99
71) Bromoform	12.576	173	77538	51.633	ug/l #	99
73) Isopropylbenzene	12.694	105	488029	47.322	ug/l	99
74) N-amyl acetate	12.494	43	206980	44.321	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	142308	45.891	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	120562m	43.697	ug/l	
77) Bromobenzene	12.982	156	116811	46.957	ug/l	95
78) n-propylbenzene	13.035	91	588731	49.272	ug/l	99
79) 2-Chlorotoluene	13.123	91	355402	46.613	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	415592	49.402	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49521m	43.031	ug/l	
82) 4-Chlorotoluene	13.223	91	357981	46.641	ug/l	98
83) tert-Butylbenzene	13.435	119	354910	47.467	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	422891	49.901	ug/l	99
85) sec-Butylbenzene	13.617	105	493911	49.503	ug/l	99
86) p-Isopropyltoluene	13.729	119	414807	50.277	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	222840	47.751	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	219979	46.677	ug/l	99
89) n-Butylbenzene	14.053	91	367220	49.086	ug/l	98
90) Hexachloroethane	14.335	117	76947	45.947	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	215868	47.174	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27094	42.339	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	105804	46.943	ug/l	97
94) Hexachlorobutadiene	15.500	225	49678	44.197	ug/l	98
95) Naphthalene	15.641	128	335144	44.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	105642	46.824	ug/l	99

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

