

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092324\
 Data File : VN084096.D
 Acq On : 23 Sep 2024 09:02
 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 09/24/2024
 Supervised By : Mahesh Dadoda 09/24/2024

Quant Time: Sep 24 01:26:13 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	167469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125007	49.504	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.000%		
35) Dibromofluoromethane	8.165	113	94156	50.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.560%		
50) Toluene-d8	10.565	98	331222	51.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.340%		
62) 4-Bromofluorobenzene	12.847	95	128319	48.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81344	41.824	ug/l	94
3) Chloromethane	2.359	50	91780	46.067	ug/l	96
4) Vinyl Chloride	2.518	62	91766	43.047	ug/l	100
5) Bromomethane	2.948	94	58585	47.865	ug/l	95
6) Chloroethane	3.118	64	61373	41.042	ug/l	95
7) Trichlorofluoromethane	3.500	101	158703	43.858	ug/l	99
8) Diethyl Ether	3.959	74	58162	47.950	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	89687	46.761	ug/l	99
10) Methyl Iodide	4.589	142	112122	45.964	ug/l	94
11) Tert butyl alcohol	5.518	59	98960	292.654	ug/l	100
12) 1,1-Dichloroethene	4.342	96	82097	45.324	ug/l	93
13) Acrolein	4.177	56	115874	347.304	ug/l	99
14) Allyl chloride	5.024	41	145943	45.218	ug/l	95
15) Acrylonitrile	5.712	53	243094	264.349	ug/l	100
16) Acetone	4.424	43	276365	273.010	ug/l	99
17) Carbon Disulfide	4.712	76	207570	40.966	ug/l	99
18) Methyl Acetate	5.024	43	123066	58.670	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	324750	49.545	ug/l	99
20) Methylene Chloride	5.277	84	98719	47.655	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	87798	45.228	ug/l	94
22) Diisopropyl ether	6.671	45	341175	51.350	ug/l	98
23) Vinyl Acetate	6.600	43	1265956	260.187	ug/l	98
24) 1,1-Dichloroethane	6.565	63	187785	49.058	ug/l	100
25) 2-Butanone	7.483	43	359139	269.929	ug/l	100
26) 2,2-Dichloropropane	7.488	77	173923	49.338	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	112638	48.880	ug/l	98
28) Bromochloromethane	7.812	49	88540	54.927	ug/l	96
29) Tetrahydrofuran	7.835	42	213934	271.935	ug/l	97
30) Chloroform	7.965	83	197261	48.541	ug/l	96
31) Cyclohexane	8.253	56	149720	41.024	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	175427	46.948	ug/l	99
36) 1,1-Dichloropropene	8.371	75	130665	46.820	ug/l	99
37) Ethyl Acetate	7.559	43	137104	54.123	ug/l	98
38) Carbon Tetrachloride	8.359	117	149985	47.372	ug/l	99
39) Methylcyclohexane	9.600	83	143109	45.051	ug/l	99
40) Benzene	8.606	78	405626	48.290	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	80172	53.510	ug/l	98
42) 1,2-Dichloroethane	8.671	62	151645	48.314	ug/l	100
43) Isopropyl Acetate	8.688	43	257419	56.077	ug/l	99
44) Trichloroethene	9.353	130	94001	48.325	ug/l	95
45) 1,2-Dichloropropane	9.624	63	101969	50.226	ug/l	95
46) Dibromomethane	9.706	93	71858	50.532	ug/l	98
47) Bromodichloromethane	9.888	83	159749	51.908	ug/l	98
48) Methyl methacrylate	9.677	41	115530	53.046	ug/l	98
49) 1,4-Dioxane	9.694	88	38749	1081.531	ug/l #	97
51) 4-Methyl-2-Pentanone	10.441	43	706273	282.641	ug/l	98
52) Toluene	10.629	92	255288	49.687	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	164201	52.638	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	171815	52.434	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	97869	51.022	ug/l	98
56) Ethyl methacrylate	10.876	69	164898	55.876	ug/l	98
57) 1,3-Dichloropropane	11.159	76	172348	52.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	364559	342.834	ug/l	97
59) 2-Hexanone	11.194	43	526937	285.070	ug/l	99
60) Dibromochloromethane	11.359	129	116798	54.409	ug/l	98
61) 1,2-Dibromoethane	11.471	107	95712	50.033	ug/l	99
64) Tetrachloroethene	11.106	164	80296	47.531	ug/l	95
65) Chlorobenzene	11.888	112	274209	48.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	99422	50.796	ug/l	99
67) Ethyl Benzene	11.965	91	503085	50.160	ug/l	99
68) m/p-Xylenes	12.070	106	372876	100.138	ug/l	100
69) o-Xylene	12.394	106	181560	50.367	ug/l	98
70) Styrene	12.412	104	311547	52.662	ug/l	99
71) Bromoform	12.576	173	76467	57.976	ug/l #	100
73) Isopropylbenzene	12.694	105	471868	48.653	ug/l	100
74) N-amyl acetate	12.494	43	219308	52.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	139945	49.109	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	120423m	47.607	ug/l	
77) Bromobenzene	12.982	156	108300	46.389	ug/l	98
78) n-propylbenzene	13.035	91	565498	50.112	ug/l	99
79) 2-Chlorotoluene	13.123	91	345622	48.025	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	403588	49.357	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	50563	52.353	ug/l	87
82) 4-Chlorotoluene	13.223	91	353160	48.900	ug/l	99
83) tert-Butylbenzene	13.435	119	346167	48.388	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	412258	50.191	ug/l	99
85) sec-Butylbenzene	13.617	105	476909	50.266	ug/l	99
86) p-Isopropyltoluene	13.729	119	405034	50.927	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	207847	47.174	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	207210	46.446	ug/l	100
89) n-Butylbenzene	14.053	91	360877	50.538	ug/l	100
90) Hexachloroethane	14.329	117	76159	47.637	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	203245	47.798	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29679	52.246	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	101696	44.568	ug/l	99
94) Hexachlorobutadiene	15.500	225	45381	46.831	ug/l	99
95) Naphthalene	15.635	128	337215	48.576	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	100822	46.233	ug/l	99

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

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