

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092823\
 Data File : VN079374.D
 Acq On : 28 Sep 2023 16:36
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 09/29/2023

Supervised By :Semsetun
 Yesilyurt
 09/29/2023

Quant Time: Sep 29 04:36:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	166719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284340	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.871	117	263470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117623	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	119289	53.004	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.000%	
35) Dibromofluoromethane	8.165	113	96624	51.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.180%	
50) Toluene-d8	10.571	98	345332	49.725	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	12.853	95	117634	53.101	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.200%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.130	85	82947	50.283	ug/l	99
3) Chloromethane	2.365	50	103321	47.713	ug/l	98
4) Vinyl Chloride	2.518	62	120500	51.070	ug/l	99
5) Bromomethane	2.954	94	67731	49.939	ug/l	92
6) Chloroethane	3.118	64	83977	55.757	ug/l	99
7) Trichlorofluoromethane	3.495	101	162461	47.020	ug/l	99
8) Diethyl Ether	3.959	74	59869	49.922	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.371	101	94312	51.327	ug/l	99
10) Methyl Iodide	4.589	142	104461	69.498	ug/l	97
11) Tert butyl alcohol	5.524	59	78297	188.441	ug/l	99
12) 1,1-Dichloroethene	4.342	96	84546	47.548	ug/l #	82
13) Acrolein	4.183	56	101855	256.988	ug/l	98
14) Allyl chloride	5.024	41	141739	49.969	ug/l #	92
15) Acrylonitrile	5.724	53	276360	256.512	ug/l	100
16) Acetone	4.424	43	249643	261.182	ug/l	91
17) Carbon Disulfide	4.712	76	206080	37.082	ug/l	98
18) Methyl Acetate	5.024	43	210789	53.659	ug/l #	84
19) Methyl tert-butyl Ether	5.795	73	321391	52.702	ug/l	93
20) Methylene Chloride	5.277	84	111403	47.895	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	98032	47.526	ug/l #	77
22) Diisopropyl ether	6.671	45	364902	58.631	ug/l #	88
23) Vinyl Acetate	6.606	43	1052734	275.003	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	207404	54.059	ug/l	97
25) 2-Butanone	7.483	43	362914	261.687	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	169484	53.832	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	122042	51.744	ug/l	86
28) Bromochloromethane	7.818	49	94790	54.645	ug/l #	73
29) Tetrahydrofuran	7.841	42	235156	266.452	ug/l #	75
30) Chloroform	7.965	83	217269	54.391	ug/l	94
31) Cyclohexane	8.259	56	158943	48.368	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	181313	53.248	ug/l	94
36) 1,1-Dichloropropene	8.377	75	147757	50.683	ug/l	95
37) Ethyl Acetate	7.565	43	150269	51.678	ug/l #	90
38) Carbon Tetrachloride	8.365	117	152056	50.401	ug/l	95
39) Methylcyclohexane	9.606	83	145749	50.683	ug/l #	90
40) Benzene	8.606	78	456730	51.177	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	80726	55.061	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	168141	54.727	ug/l	97
43) Isopropyl Acetate	8.688	43	259773	54.751	ug/l #	89
44) Trichloroethene	9.353	130	106718	48.542	ug/l	100
45) 1,2-Dichloropropane	9.624	63	125448	56.639	ug/l	99
46) Dibromomethane	9.712	93	81408	54.143	ug/l	95
47) Bromodichloromethane	9.888	83	174221	56.572	ug/l	98
48) Methyl methacrylate	9.683	41	118766	55.884	ug/l #	81
49) 1,4-Dioxane	9.694	88	40270	921.260	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	771614	280.156	ug/l	89
52) Toluene	10.635	92	282763	51.556	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	176404	54.324	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	192511	55.428	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	116917	54.327	ug/l	96
56) Ethyl methacrylate	10.877	69	171990	56.614	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	202264	54.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	357996	276.839	ug/l	89
59) 2-Hexanone	11.200	43	552996	277.211	ug/l	87
60) Dibromochloromethane	11.365	129	121032	52.844	ug/l	100
61) 1,2-Dibromoethane	11.471	107	110128	51.278	ug/l	98
64) Tetrachloroethene	11.106	164	84243	43.851	ug/l	95
65) Chlorobenzene	11.894	112	296352	49.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	113757	50.826	ug/l	99
67) Ethyl Benzene	11.965	91	546912	53.571	ug/l	95
68) m/p-Xylenes	12.076	106	405151	106.470	ug/l	94
69) o-Xylene	12.400	106	196905	53.953	ug/l	93
70) Styrene	12.412	104	331542	56.484	ug/l	97
71) Bromoform	12.582	173	80485	48.711	ug/l #	98
73) Isopropylbenzene	12.700	105	516079	48.225	ug/l	99
74) N-amyl acetate	12.494	43	205507	50.616	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	174048	43.676	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	148093m	46.716	ug/l	
77) Bromobenzene	12.982	156	116777	43.095	ug/l	95
78) n-propylbenzene	13.041	91	612953	50.988	ug/l	97
79) 2-Chlorotoluene	13.129	91	364625	46.374	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	432274	48.477	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	51301	44.490	ug/l #	86
82) 4-Chlorotoluene	13.223	91	355588	48.130	ug/l	99
83) tert-Butylbenzene	13.441	119	347978	47.172	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	425723	50.131	ug/l	100
85) sec-Butylbenzene	13.618	105	502056	49.436	ug/l	100
86) p-Isopropyltoluene	13.729	119	403513	49.733	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	206994	46.573	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	202139	45.009	ug/l	99
89) n-Butylbenzene	14.059	91	343397	53.822	ug/l	97
90) Hexachloroethane	14.335	117	77666	47.137	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	201414	45.906	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25803	42.594	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	70232	44.543	ug/l	97
94) Hexachlorobutadiene	15.506	225	47803	38.541	ug/l	96
95) Naphthalene	15.647	128	178072	38.026	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	76046	40.888	ug/l	99

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

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