

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080588.D
 Acq On : 21 Dec 2023 20:59
 Operator : JC\MD
 Sample : 05975-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7-122023MSD

Quant Time: Dec 22 04:08:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2023
 Supervised By : Mahesh Dadoda 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	343308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	572216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	512174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	204669	46.677	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.360%		
35) Dibromofluoromethane	8.165	113	170374	46.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.920%		
50) Toluene-d8	10.565	98	632407	46.738	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.480%		
62) 4-Bromofluorobenzene	12.847	95	230666	44.894	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	215662	49.157	ug/l	100
3) Chloromethane	2.365	50	236077	50.823	ug/l	98
4) Vinyl Chloride	2.512	62	220892	58.956	ug/l	89
5) Bromomethane	2.948	94	78259	46.329	ug/l	90
6) Chloroethane	3.118	64	130978m	54.403	ug/l	
7) Trichlorofluoromethane	3.495	101	348665	45.882	ug/l	96
8) Diethyl Ether	3.959	74	133767	55.885	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.377	101	185327	51.453	ug/l	97
10) Methyl Iodide	4.589	142	130040	41.045	ug/l	95
11) Tert butyl alcohol	5.518	59	140703	272.463	ug/l	98
12) 1,1-Dichloroethene	4.342	96	189056	51.226	ug/l	88
13) Acrolein	4.177	56	184624	326.454	ug/l	98
14) Allyl chloride	5.018	41	239846	52.526	ug/l	94
15) Acrylonitrile	5.712	53	459330	314.793	ug/l	99
16) Acetone	4.418	43	294614	378.935	ug/l	98
17) Carbon Disulfide	4.712	76	505478	48.328	ug/l	99
18) Methyl Acetate	5.012	43	348838	69.730	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	671097	54.502	ug/l	98
20) Methylene Chloride	5.277	84	219346	52.717	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	207011	51.730	ug/l	83
22) Diisopropyl ether	6.671	45	626908	63.612	ug/l #	90
23) Vinyl Acetate	6.600	43	1656109	292.585	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	386454	56.204	ug/l	98
25) 2-Butanone	7.483	43	516798	345.049	ug/l	88
26) 2,2-Dichloropropane	7.488	77	317296	45.128	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	246298	54.374	ug/l	91
28) Bromochloromethane	7.812	49	140292	53.140	ug/l	89
29) Tetrahydrofuran	7.835	42	353265	329.381	ug/l	86
30) Chloroform	7.965	83	410293	53.756	ug/l	96
31) Cyclohexane	8.259	56	290940	48.791	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	364193	48.735	ug/l	97
36) 1,1-Dichloropropene	8.371	75	293602	49.494	ug/l	97
37) Ethyl Acetate	7.559	43	213310	57.423	ug/l	98
38) Carbon Tetrachloride	8.365	117	312233	44.049	ug/l	97
39) Methylcyclohexane	9.600	83	282119	45.779	ug/l #	87
40) Benzene	8.606	78	898854	52.473	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	132580	61.908	ug/l	90
42) 1,2-Dichloroethane	8.671	62	303303	47.814	ug/l	99
43) Isopropyl Acetate	8.688	43	391728	58.649	ug/l	98
44) Trichloroethene	9.353	130	233761	50.619	ug/l	97
45) 1,2-Dichloropropane	9.618	63	224722	55.855	ug/l	98
46) Dibromomethane	9.706	93	148359	51.348	ug/l	91
47) Bromodichloromethane	9.888	83	319708	51.630	ug/l	98
48) Methyl methacrylate	9.682	41	229448	57.566	ug/l	85
49) 1,4-Dioxane	9.694	88	65023	1076.283	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1135446	308.671	ug/l	99
52) Toluene	10.629	92	561482	51.886	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	316719	47.273	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	347765	48.564	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	218807	56.193	ug/l	97
56) Ethyl methacrylate	10.876	69	245859	57.031	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	381153	55.839	ug/l	99
59) 2-Hexanone	11.194	43	822491	302.872	ug/l	99
60) Dibromochloromethane	11.359	129	234434	50.809	ug/l	99
61) 1,2-Dibromoethane	11.471	107	211297	52.431	ug/l	100
64) Tetrachloroethene	11.106	164	189264	47.861	ug/l	96
65) Chlorobenzene	11.894	112	577615	50.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	211661	47.345	ug/l	96
67) Ethyl Benzene	11.965	91	1034746	49.392	ug/l	97
68) m/p-Xylenes	12.070	106	771114	99.610	ug/l	95
69) o-Xylene	12.400	106	373507	49.328	ug/l	92
70) Styrene	12.412	104	561832	51.512	ug/l	97
71) Bromoform	12.576	173	144783	44.410	ug/l #	100
73) Isopropylbenzene	12.694	105	943792	49.407	ug/l	99
74) N-amyl acetate	12.494	43	329823	59.127	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	290004	56.655	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	244311m	51.501	ug/l	
77) Bromobenzene	12.982	156	232468	49.470	ug/l	96
78) n-propylbenzene	13.035	91	1077630	51.166	ug/l	99
79) 2-Chlorotoluene	13.123	91	684919	49.811	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	808477	49.142	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	10420	5.767	ug/l	88
82) 4-Chlorotoluene	13.223	91	690302	48.842	ug/l	97
83) tert-Butylbenzene	13.441	119	654114	48.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	819480	50.070	ug/l	100
85) sec-Butylbenzene	13.617	105	871980	50.592	ug/l	100
86) p-Isopropyltoluene	13.729	119	774748	49.783	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	408228	49.307	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	405039	48.464	ug/l	99
89) n-Butylbenzene	14.059	91	654054	50.327	ug/l	99
90) Hexachloroethane	14.335	117	96036	38.857	ug/l	79
91) 1,2-Dichlorobenzene	14.106	146	397445	50.553	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50452	46.859	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	220612	50.540	ug/l	98
94) Hexachlorobutadiene	15.506	225	103619	41.697	ug/l	99
95) Naphthalene	15.641	128	716488	54.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	215651	51.196	ug/l	97

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

