

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
 Data File : VN081966.D
 Acq On : 01 May 2024 19:03
 Operator : JC\MD
 Sample : P2329-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18B-64-043024MSD

Quant Time: May 02 02:05:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/02/2024
 Supervised By : Semsettin Yesilyurt 05/02/2024

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	182827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	331465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152626	49.463	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.920%		
35) Dibromofluoromethane	8.165	113	110994	49.742	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.480%		
50) Toluene-d8	10.565	98	451977	51.574	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.140%		
62) 4-Bromofluorobenzene	12.853	95	157542	45.475	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	90.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	115909	45.163	ug/l	98
3) Chloromethane	2.359	50	129271	48.283	ug/l	98
4) Vinyl Chloride	2.512	62	133657	55.148	ug/l	96
5) Bromomethane	2.948	94	54110	52.761	ug/l	98
6) Chloroethane	3.118	64	68057	55.560	ug/l	99
7) Trichlorofluoromethane	3.495	101	172033	45.887	ug/l	95
8) Diethyl Ether	3.959	74	87231	54.773	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	446737	205.243	ug/l	92
10) Methyl Iodide	4.589	142	111954	58.724	ug/l	95
11) Tert butyl alcohol	5.518	59	147868	263.607	ug/l	100
12) 1,1-Dichloroethene	4.342	96	202167	91.298	ug/l	90
13) Acrolein	4.183	56	115105	263.433	ug/l	99
14) Allyl chloride	5.024	41	206496	44.086	ug/l	90
15) Acrylonitrile	5.718	53	369564	274.370	ug/l	97
16) Acetone	4.424	43	263856	290.048	ug/l	100
17) Carbon Disulfide	4.712	76	311690	46.831	ug/l	100
18) Methyl Acetate	5.030	43	166286	53.205	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	427782	51.196	ug/l	91
20) Methylene Chloride	5.277	84	138032	52.199	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	142303	58.940	ug/l #	84
22) Diisopropyl ether	6.671	45	481234	53.095	ug/l	95
23) Vinyl Acetate	6.606	43	1842166	250.145	ug/l	94
24) 1,1-Dichloroethane	6.565	63	330401	70.037	ug/l	99
25) 2-Butanone	7.483	43	472522	269.808	ug/l	95
26) 2,2-Dichloropropane	7.488	77	170020	39.178	ug/l #	36
27) cis-1,2-Dichloroethene	7.488	96	1524073	540.207	ug/l	97
28) Bromochloromethane	7.818	49	108948	48.591	ug/l #	78
29) Tetrahydrofuran	7.841	42	324342	258.255	ug/l	91
30) Chloroform	7.965	83	237229	50.732	ug/l	96
31) Cyclohexane	8.259	56	224315	48.257	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	194739	46.699	ug/l	91
36) 1,1-Dichloropropene	8.371	75	176330	48.573	ug/l	95
37) Ethyl Acetate	7.565	43	192246	48.980	ug/l #	80
38) Carbon Tetrachloride	8.359	117	156954	44.237	ug/l	92
39) Methylcyclohexane	9.606	83	193816	43.961	ug/l	91
40) Benzene	8.606	78	576725	52.922	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	104978	41.916	ug/l	96
42) 1,2-Dichloroethane	8.671	62	189038	46.714	ug/l	98
43) Isopropyl Acetate	8.694	43	350522	47.495	ug/l	94
44) Trichloroethene	9.359	130	12547323	4993.891	ug/l	70
45) 1,2-Dichloropropane	9.624	63	146674	51.428	ug/l	97
46) Dibromomethane	9.712	93	91283	46.307	ug/l	91
47) Bromodichloromethane	9.888	83	190531	45.831	ug/l	98
48) Methyl methacrylate	9.682	41	162892	46.234	ug/l	89
49) 1,4-Dioxane	9.700	88	60124	1122.782	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	1040446	250.431	ug/l	94
52) Toluene	10.635	92	334596	51.270	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	210354	46.502	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	223549	47.950	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	125352	48.839	ug/l	98
56) Ethyl methacrylate	10.876	69	238055	48.709	ug/l	89
57) 1,3-Dichloropropane	11.165	76	230806	50.581	ug/l	99
59) 2-Hexanone	11.194	43	784810	253.829	ug/l	95
60) Dibromochloromethane	11.359	129	130707	48.081	ug/l	98
61) 1,2-Dibromoethane	11.471	107	124935	50.901	ug/l	95
64) Tetrachloroethene	11.106	164	238193	98.941	ug/l	89
65) Chlorobenzene	11.894	112	352513	48.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	111250	47.290	ug/l	96
67) Ethyl Benzene	11.965	91	631086	46.880	ug/l	96
68) m/p-Xylenes	12.071	106	457153	95.206	ug/l	92
69) o-Xylene	12.400	106	230536	49.177	ug/l	96
70) Styrene	12.412	104	395480	48.767	ug/l	96
71) Bromoform	12.582	173	79370	42.915	ug/l #	100
73) Isopropylbenzene	12.694	105	581691	49.252	ug/l	98
74) N-amyl acetate	12.494	43	309419	47.056	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	185483	52.298	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	165128m	47.944	ug/l	
77) Bromobenzene	12.982	156	124451	50.355	ug/l	75
78) n-propylbenzene	13.035	91	693305	48.327	ug/l	96
79) 2-Chlorotoluene	13.129	91	418361	45.836	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	468428	46.870	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	81106	48.254	ug/l	94
82) 4-Chlorotoluene	13.223	91	412547	46.556	ug/l	94
83) tert-Butylbenzene	13.441	119	384731	46.226	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	462466	46.337	ug/l	97
85) sec-Butylbenzene	13.617	105	562551	47.985	ug/l	96
86) p-Isopropyltoluene	13.729	119	436431	46.363	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	223447	48.454	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	225519	49.661	ug/l	96
89) n-Butylbenzene	14.059	91	400996	45.766	ug/l	97
90) Hexachloroethane	14.335	117	84128	45.432	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	219759	49.710	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36457	42.221	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	112270	45.394	ug/l	99
94) Hexachlorobutadiene	15.506	225	35210	38.625	ug/l	97
95) Naphthalene	15.641	128	451912	48.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111778	47.073	ug/l	98

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

