

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074573.D
 Acq On : 17 Sep 2022 22:09
 Operator : JC\MD
 Sample : N4663-08MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HW-43MSD

Quant Time: Sep 19 02:59:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/19/2022
 Supervised By : Mahesh Dadoda 09/19/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	199866	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	379236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	351825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	170456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179271	52.863	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.720%			
35) Dibromofluoromethane	7.957	113	130467	51.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.580%			
50) Toluene-d8	10.380	98	494902	50.797	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.674	95	173904	52.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.040	85	92444	42.499	ug/l	100
3) Chloromethane	2.263	50	198919	54.346	ug/l	95
4) Vinyl Chloride	2.404	62	249703	63.775	ug/l	100
5) Bromomethane	2.781	94	178742	86.565	ug/l	96
6) Chloroethane	2.951	64	196090	73.319	ug/l	99
7) Trichlorofluoromethane	3.310	101	202082	46.737	ug/l	90
8) Diethyl Ether	3.763	74	100792	45.712	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.140	101	128299	47.963	ug/l	87
10) Methyl Iodide	4.345	142	152116	48.205	ug/l	94
11) Tert butyl alcohol	5.281	59	244197	221.053	ug/l	# 84
12) 1,1-Dichloroethene	4.110	96	126961	48.211	ug/l	93
13) Acrolein	3.975	56	96094	238.197	ug/l	99
14) Allyl chloride	4.757	41	297288	47.298	ug/l	95
15) Acrylonitrile	5.475	53	636764	256.570	ug/l	99
16) Acetone	4.216	43	558268	257.262	ug/l	96
17) Carbon Disulfide	4.457	76	316199	43.806	ug/l	98
18) Methyl Acetate	4.775	43	323537	48.002	ug/l	# 86
19) Methyl tert-butyl Ether	5.528	73	544086	49.043	ug/l	97
20) Methylene Chloride	5.004	84	163225	49.269	ug/l	# 79
21) trans-1,2-Dichloroethene	5.510	96	140240	48.517	ug/l	94
22) Diisopropyl ether	6.410	45	675194	53.495	ug/l	# 95
23) Vinyl Acetate	6.345	43	2749170	246.957	ug/l	# 90
24) 1,1-Dichloroethane	6.298	63	312327	49.505	ug/l	99
25) 2-Butanone	7.257	43	976440	271.013	ug/l	# 85
26) 2,2-Dichloropropane	7.245	77	169646	31.189	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	171403	46.315	ug/l	92
28) Bromochloromethane	7.575	49	96953	52.185	ug/l	# 65
29) Tetrahydrofuran	7.610	42	638176	269.401	ug/l	# 83
30) Chloroform	7.751	83	299877	51.498	ug/l	99
31) Cyclohexane	8.022	56	281824	46.820	ug/l	87
32) 1,1,1-Trichloroethane	7.939	97	238676	46.733	ug/l	95
36) 1,1-Dichloropropene	8.151	75	215574	48.345	ug/l	94
37) Ethyl Acetate	7.333	43	350373	50.880	ug/l	# 94
38) Carbon Tetrachloride	8.133	117	201766	49.008	ug/l	96
39) Methylcyclohexane	9.392	83	244562	46.124	ug/l	96
40) Benzene	8.386	78	682801	49.519	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	172518	51.818	ug/l	88
42) 1,2-Dichloroethane	8.463	62	246159	52.022	ug/l	98
43) Isopropyl Acetate	8.492	43	558033	51.734	ug/l #	90
44) Trichloroethene	9.151	130	140551	47.107	ug/l	93
45) 1,2-Dichloropropane	9.427	63	193454	51.050	ug/l	98
46) Dibromomethane	9.516	93	119944	50.538	ug/l #	83
47) Bromodichloromethane	9.698	83	238588	51.275	ug/l	98
48) Methyl methacrylate	9.498	41	248584	51.974	ug/l #	83
49) 1,4-Dioxane	9.504	88	85655	931.495	ug/l #	84
51) 4-Methyl-2-Pentanone	10.274	43	2045122	290.340	ug/l	87
52) Toluene	10.445	92	427231	52.838	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	257834	47.544	ug/l	91
54) cis-1,3-Dichloropropene	10.127	75	262835	45.289	ug/l #	82
55) 1,1,2-Trichloroethane	10.839	97	175834	51.340	ug/l	97
56) Ethyl methacrylate	10.704	69	317999	51.978	ug/l #	74
57) 1,3-Dichloropropane	10.986	76	319353	53.182	ug/l	100
59) 2-Hexanone	11.027	43	1583507	294.484	ug/l	86
60) Dibromochloromethane	11.180	129	169880	51.813	ug/l	99
61) 1,2-Dibromoethane	11.286	107	170488	51.240	ug/l	98
64) Tetrachloroethene	10.916	164	106623	44.160	ug/l	90
65) Chlorobenzene	11.710	112	424690	48.083	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.786	131	157649	49.126	ug/l	99
67) Ethyl Benzene	11.786	91	837107	51.622	ug/l	97
68) m/p-Xylenes	11.892	106	608516	101.494	ug/l	94
69) o-Xylene	12.221	106	311936	51.028	ug/l	97
70) Styrene	12.233	104	487349	47.926	ug/l	96
71) Bromoform	12.398	173	119482	50.658	ug/l #	99
73) Isopropylbenzene	12.521	105	797749	45.707	ug/l	99
74) N-amyl acetate	12.333	43	504440	46.226	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.768	83	324459	46.389	ug/l	97
76) 1,2,3-Trichloropropane	12.821	75	242180m	46.158	ug/l	
77) Bromobenzene	12.804	156	169081	45.350	ug/l	76
78) n-propylbenzene	12.863	91	981164	47.200	ug/l	94
79) 2-Chlorotoluene	12.951	91	548905	44.234	ug/l	98
80) 1,3,5-Trimethylbenzene	13.004	105	647299	45.496	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.568	75	92048	37.865	ug/l	92
82) 4-Chlorotoluene	13.045	91	537508	45.571	ug/l	98
83) tert-Butylbenzene	13.263	119	605775	46.783	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	675274	47.163	ug/l	99
85) sec-Butylbenzene	13.445	105	863979	48.595	ug/l	96
86) p-Isopropyltoluene	13.557	119	686571	49.534	ug/l	97
87) 1,3-Dichlorobenzene	13.557	146	329252	48.057	ug/l	99
88) 1,4-Dichlorobenzene	13.639	146	327012	47.491	ug/l	98
89) n-Butylbenzene	13.886	91	624674	50.001	ug/l	94
90) Hexachloroethane	14.151	117	132482	43.929	ug/l	78
91) 1,2-Dichlorobenzene	13.927	146	328151	46.168	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	65753	42.574	ug/l	86
93) 1,2,4-Trichlorobenzene	15.198	180	167414	49.440	ug/l	97
94) Hexachlorobutadiene	15.304	225	65600	44.079	ug/l	96
95) Naphthalene	15.439	128	700405	48.068	ug/l	98
96) 1,2,3-Trichlorobenzene	15.627	180	171462	48.894	ug/l	96

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

