

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073724.D
 Acq On : 03 Aug 2022 20:20
 Operator : JC\MD
 Sample : N3971-21MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30MSD

Quant Time: Aug 04 05:39:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/04/2022
 Supervised By : Mahesh Dadoda 08/04/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	350820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	559230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	530990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	263564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	221829	51.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.780%			
35) Dibromofluoromethane	7.951	113	189099	53.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	10.381	98	743035	53.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.540%			
62) 4-Bromofluorobenzene	12.674	95	243222	52.231	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	156898	46.110	ug/l	98
3) Chloromethane	2.263	50	204310	49.955	ug/l	97
4) Vinyl Chloride	2.405	62	263533	44.283	ug/l	99
5) Bromomethane	2.781	94	129909	37.639	ug/l	99
6) Chloroethane	2.952	64	180061	51.959	ug/l	100
7) Trichlorofluoromethane	3.305	101	372425	60.722	ug/l	97
8) Diethyl Ether	3.763	74	114098	49.544	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.134	101	162659	47.935	ug/l	99
10) Methyl Iodide	4.346	142	147221	42.677	ug/l	97
11) Tert butyl alcohol	5.298	59	258494	280.352	ug/l	99
12) 1,1-Dichloroethene	4.104	96	161539	48.532	ug/l	94
13) Acrolein	3.981	56	264655	289.527	ug/l	98
14) Allyl chloride	4.757	41	254671	47.857	ug/l	100
15) Acrylonitrile	5.475	53	675858	264.989	ug/l	99
16) Acetone	4.222	43	609933	265.615	ug/l	98
17) Carbon Disulfide	4.451	76	416585	47.202	ug/l	98
18) Methyl Acetate	4.775	43	263450	46.115	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	598608	52.643	ug/l	99
20) Methylene Chloride	5.016	84	203578	55.023	ug/l	99
21) trans-1,2-Dichloroethene	5.510	96	178869	49.643	ug/l	95
22) Diisopropyl ether	6.416	45	589020	51.305	ug/l	99
23) Vinyl Acetate	6.351	43	2202038	228.768	ug/l	99
24) 1,1-Dichloroethane	6.304	63	344640	48.795	ug/l	98
25) 2-Butanone	7.257	43	937736	262.958	ug/l	98
26) 2,2-Dichloropropane	7.245	77	166758	30.687	ug/l	95
27) cis-1,2-Dichloroethene	7.245	96	220771	49.731	ug/l	92
28) Bromochloromethane	7.581	49	145920	49.204	ug/l	98
29) Tetrahydrofuran	7.610	42	605746	268.663	ug/l	99
30) Chloroform	7.745	83	364189	49.490	ug/l	97
31) Cyclohexane	8.022	56	291451	45.790	ug/l	99
32) 1,1,1-Trichloroethane	7.945	97	307167	50.271	ug/l	99
36) 1,1-Dichloropropene	8.151	75	257446	51.439	ug/l	99
37) Ethyl Acetate	7.340	43	395664	60.029	ug/l	98
38) Carbon Tetrachloride	8.134	117	259019	50.956	ug/l	100
39) Methylcyclohexane	9.392	83	302872	50.641	ug/l	99
40) Benzene	8.392	78	828785	50.995	ug/l	99

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41) Methacrylonitrile	7.563	41	164086	55.015	ug/l	95
42) 1,2-Dichloroethane	8.463	62	277261	50.619	ug/l	99
43) Isopropyl Acetate	8.492	43	446337	50.135	ug/l	98
44) Trichloroethene	9.151	130	205949	49.970	ug/l	97
45) 1,2-Dichloropropane	9.428	63	207494	51.078	ug/l	99
46) Dibromomethane	9.516	93	147414	52.285	ug/l	100
47) Bromodichloromethane	9.704	83	280290	51.797	ug/l	96
48) Methyl methacrylate	9.498	41	215955	55.416	ug/l	93
49) 1,4-Dioxane	9.504	88	130031	1183.707	ug/l	95
51) 4-Methyl-2-Pentanone	10.269	43	1791764	280.604	ug/l	100
52) Toluene	10.445	92	528109	53.199	ug/l	98
53) t-1,3-Dichloropropene	10.663	75	277779	51.962	ug/l	97
54) cis-1,3-Dichloropropene	10.128	75	299510	49.718	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	224245	54.170	ug/l	99
56) Ethyl methacrylate	10.704	69	343336	60.176	ug/l	99
57) 1,3-Dichloropropane	10.986	76	372030	52.969	ug/l	100
59) 2-Hexanone	11.028	43	1419221	293.359	ug/l	99
60) Dibromochloromethane	11.180	129	230808	56.045	ug/l	99
61) 1,2-Dibromoethane	11.286	107	231106	54.206	ug/l	99
64) Tetrachloroethene	10.916	164	194886	46.182	ug/l	99
65) Chlorobenzene	11.710	112	573357	50.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	215827	53.351	ug/l	99
67) Ethyl Benzene	11.786	91	1016767	53.436	ug/l	100
68) m/p-Xylenes	11.892	106	789085	108.732	ug/l	100
69) o-Xylene	12.222	106	392592	55.488	ug/l	100
70) Styrene	12.233	104	651835	57.553	ug/l	97
71) Bromoform	12.398	173	185140	55.446	ug/l	99
73) Isopropylbenzene	12.522	105	1020883	52.913	ug/l	99
74) N-amyl acetate	12.333	43	344966	47.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	361547	48.562	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	264614m	55.136	ug/l	
77) Bromobenzene	12.804	156	255171	50.787	ug/l	97
78) n-propylbenzene	12.863	91	1155464	53.225	ug/l	99
79) 2-Chlorotoluene	12.945	91	687735	50.758	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	844907	53.214	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.569	75	90664	44.579	ug/l	99
82) 4-Chlorotoluene	13.045	91	663421	51.662	ug/l	97
83) tert-Butylbenzene	13.263	119	779688	55.441	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	843644	54.037	ug/l	100
85) sec-Butylbenzene	13.439	105	1056896	54.375	ug/l	99
86) p-Isopropyltoluene	13.557	119	872143	56.918	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	458089	49.949	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	447249	48.741	ug/l	98
89) n-Butylbenzene	13.886	91	677033	54.304	ug/l	100
90) Hexachloroethane	14.151	117	155947	51.296	ug/l	98
91) 1,2-Dichlorobenzene	13.927	146	464586	49.991	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	80877	54.067	ug/l	94
93) 1,2,4-Trichlorobenzene	15.198	180	258410	55.993	ug/l	99
94) Hexachlorobutadiene	15.304	225	127589	50.853	ug/l	98
95) Naphthalene	15.433	128	911836	60.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	277256	57.081	ug/l	99

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

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