

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069846.D
 Acq On : 8 Dec 2021 5:48
 Operator : JC/MD
 Sample : M4956-13MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D1-20211204MSD

Quant Time: Dec 08 06:40:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1019192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1702109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1619558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	681302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	738712	46.943	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.880%		
35) Dibromofluoromethane	8.021	113	506827	47.537	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.080%		
50) Toluene-d8	10.441	98	2014812	47.064	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.120%		
62) 4-Bromofluorobenzene	12.731	95	728053	46.943	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	608361	51.177	ug/l	100
3) Chloromethane	2.303	50	702180	47.149	ug/l	97
4) Vinyl Chloride	2.448	62	672890	49.138	ug/l	99
5) Bromomethane	2.853	94	398308	53.539	ug/l	99
6) Chloroethane	3.019	64	406230	48.410	ug/l	97
7) Trichlorofluoromethane	3.379	101	876156	48.750	ug/l	98
8) Diethyl Ether	3.824	74	352406	50.911	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.208	101	506633	50.288	ug/l	96
10) Methyl Iodide	4.422	142	710346	51.612	ug/l	97
11) Tert butyl alcohol	5.374	59	497692	167.317	ug/l	99
12) 1,1-Dichloroethene	4.183	96	483321	49.785	ug/l	87
13) Acrolein	4.039	56	799912	315.785	ug/l	98
14) Allyl chloride	4.841	41	1074678	49.126	ug/l	94
15) Acrylonitrile	5.554	53	1802110	224.833	ug/l	99
16) Acetone	4.285	43	1620602	171.200	ug/l	96
17) Carbon Disulfide	4.529	76	1254684	50.025	ug/l	99
18) Methyl Acetate	4.854	43	1204228	42.146	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	1918795	50.832	ug/l	96
20) Methylene Chloride	5.095	84	602219	47.856	ug/l #	84
21) trans-1,2-Dichloroethene	5.600	96	518819	49.202	ug/l	85
22) Diisopropyl ether	6.495	45	2238179	52.345	ug/l	94
23) Vinyl Acetate	6.434	43	8475184	243.636	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1141640	51.543	ug/l	98
25) 2-Butanone	7.335	43	2573295	200.074	ug/l	91
26) 2,2-Dichloropropane	7.324	77	720144	41.817	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	637169	50.014	ug/l	88
28) Bromochloromethane	7.657	49	598511	51.964	ug/l #	77
29) Tetrahydrofuran	7.683	42	1697671	217.373	ug/l	88
30) Chloroform	7.818	83	1132280	50.618	ug/l	99
31) Cyclohexane	8.094	56	1075601	49.115	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	973227	51.077	ug/l	95
36) 1,1-Dichloropropene	8.223	75	819180	50.556	ug/l	96
37) Ethyl Acetate	7.413	43	1002283	41.559	ug/l	96
38) Carbon Tetrachloride	8.206	117	817040	51.420	ug/l	98
39) Methylcyclohexane	9.459	83	968344	50.242	ug/l	89
40) Benzene	8.459	78	2478923	50.051	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	544048	48.056	ug/l	89
42) 1,2-Dichloroethane	8.528	62	1001052	50.069	ug/l	96
43) Isopropyl Acetate	8.560	43	1650506	46.247	ug/l #	95
44) Trichloroethene	9.218	130	591985	50.078	ug/l	90
45) 1,2-Dichloropropane	9.488	63	680608	51.173	ug/l	100
46) Dibromomethane	9.577	93	430227	49.323	ug/l	94
47) Bromodichloromethane	9.762	83	859629	52.051	ug/l	99
48) Methyl methacrylate	9.558	41	795040	47.735	ug/l	88
49) 1,4-Dioxane	9.569	88	207058	692.858	ug/l #	85
51) 4-Methyl-2-Pentanone	10.331	43	5450828	235.431	ug/l	95
52) Toluene	10.505	92	1538665	50.886	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	899016	45.518	ug/l	100
54) cis-1,3-Dichloropropene	10.188	75	970576	46.689	ug/l #	88
55) 1,1,2-Trichloroethane	10.896	97	608639	49.887	ug/l	98
56) Ethyl methacrylate	10.760	69	1034744	45.180	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	1097408	51.085	ug/l	100
59) 2-Hexanone	11.084	43	3814174	217.777	ug/l	93
60) Dibromochloromethane	11.237	129	612631	47.015	ug/l	99
61) 1,2-Dibromoethane	11.344	107	631637	49.985	ug/l	99
64) Tetrachloroethene	10.977	164	525957	47.894	ug/l	94
65) Chlorobenzene	11.768	112	1624488	49.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	593596	51.330	ug/l	100
67) Ethyl Benzene	11.843	91	3035593	50.863	ug/l	95
68) m/p-Xylenes	11.953	106	2209964	101.697	ug/l	91
69) o-Xylene	12.280	106	1101709	50.332	ug/l	90
70) Styrene	12.294	104	1791488	51.615	ug/l	95
71) Bromoform	12.457	173	445964	45.357	ug/l #	99
73) Isopropylbenzene	12.578	105	2918477	48.146	ug/l	98
74) N-amyl acetate	12.388	43	1170403	43.660	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	950636	45.352	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	802518m	41.074	ug/l	
77) Bromobenzene	12.860	156	666746	46.828	ug/l	79
78) n-propylbenzene	12.919	91	3288269	48.749	ug/l	96
79) 2-Chlorotoluene	13.007	91	2049683	48.090	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2379317	48.767	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	235864	40.362	ug/l	92
82) 4-Chlorotoluene	13.104	91	1941121	48.428	ug/l	92
83) tert-Butylbenzene	13.321	119	2094550	48.483	ug/l	93
84) 1,2,4-Trimethylbenzene	13.367	105	2337115	50.298	ug/l	97
85) sec-Butylbenzene	13.501	105	2854587	48.714	ug/l	98
86) p-Isopropyltoluene	13.613	119	2276349	49.697	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	1122585	47.993	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1081726	47.059	ug/l	97
89) n-Butylbenzene	13.943	91	1802717	48.517	ug/l	97
90) Hexachloroethane	14.209	117	399661	49.698	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1096812	48.125	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	168004	44.355	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	482060	43.521	ug/l	99
94) Hexachlorobutadiene	15.367	225	275277	45.575	ug/l	98
95) Naphthalene	15.504	128	1318568	40.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	475209	43.932	ug/l	98

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

