

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065966.D
 Acq On : 22 Feb 2021 17:43
 Operator : JC/MD
 Sample : M1448-06MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR3-138-150-021721MSD

Manual Integrations
 APPROVED

MMDadoda
 2/23/2021 11:49:28 AM

Quant Time: Feb 23 00:11:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	129809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	239429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	224871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	103520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	100395	55.31	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.62%			
35) Dibromofluoromethane	7.553	113	75762	51.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.26%			
50) Toluene-d8	10.058	98	301679	49.60	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.20%			
62) 4-Bromofluorobenzene	12.373	95	115960	50.78	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.56%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.849	85	77793	45.78	ug/l	99
3) Chloromethane	2.055	50	101003	47.43	ug/l	99
4) Vinyl Chloride	2.184	62	99035	47.21	ug/l	99
5) Bromomethane	2.547	94	60232	46.87	ug/l	98
6) Chloroethane	2.688	64	54350	45.92	ug/l	97
7) Trichlorofluoromethane	3.007	101	128429	49.17	ug/l	97
8) Diethyl Ether	3.389	74	46414	48.42	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.733	101	58422	42.28	ug/l	100
10) Methyl Iodide	3.926	142	98015	45.43	ug/l	98
11) Tert butyl alcohol	4.753	59	73191	289.97	ug/l	99
12) 1,1-Dichloroethene	3.711	96	71017	48.71	ug/l	97
13) Acrolein	3.582	56	46294	200.42	ug/l	97
14) Allyl chloride	4.290	41	109569	44.02	ug/l	97
15) Acrylonitrile	4.946	53	175789	251.16	ug/l	100
16) Acetone	3.791	43	145150	254.57	ug/l	97
17) Carbon Disulfide	4.026	76	193004	46.48	ug/l	99
18) Methyl Acetate	4.293	43	45047	30.03	ug/l	93
19) Methyl tert-butyl Ether	5.007	73	245077	52.25	ug/l	99
20) Methylene Chloride	4.518	84	80731	47.96	ug/l	97
21) trans-1,2-Dichloroethene	5.004	96	72168	47.10	ug/l	94
22) Diisopropyl ether	5.913	45	233151	46.83	ug/l	93
23) Vinyl Acetate	5.856	43	572772	146.68	ug/l	100
24) 1,1-Dichloroethane	5.807	63	141727	49.27	ug/l	99
25) 2-Butanone	6.791	43	220070	244.91	ug/l	100
26) 2,2-Dichloropropane	6.782	77	62353	27.63	ug/l	95
27) cis-1,2-Dichloroethene	6.788	96	89363	51.20	ug/l	99
28) Bromochloromethane	7.155	49	64875	48.93	ug/l	97
29) Tetrahydrofuran	7.174	42	147483	238.40	ug/l	97
30) Chloroform	7.335	83	145183	51.09	ug/l	100
31) Cyclohexane	7.618	56	120128	44.38	ug/l	98
32) 1,1,1-Trichloroethane	7.531	97	130172	54.62	ug/l	99
36) 1,1-Dichloropropene	7.756	75	103861	43.99	ug/l	100
37) Ethyl Acetate	6.888	43	60614	28.43	ug/l	98
38) Carbon Tetrachloride	7.737	117	105964	48.29	ug/l	97
39) Methylcyclohexane	9.045	83	109818	41.40	ug/l	99
40) Benzene	8.007	78	329250	45.45	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.129	41	47333	45.86	ug/l #	100
42) 1,2-Dichloroethane	8.087	62	118181	49.65	ug/l	99
43) Isopropyl Acetate	8.129	43	128580	37.84	ug/l	93
44) Trichloroethene	8.801	130	95132	53.10	ug/l	98
45) 1,2-Dichloropropane	9.084	63	84475	45.54	ug/l	98
46) Dibromomethane	9.174	93	55063	48.73	ug/l	94
47) Bromodichloromethane	9.370	83	117894	51.25	ug/l	100
48) Methyl methacrylate	9.164	41	79504	46.18	ug/l	98
49) 1,4-Dioxane	9.164	88	29986	1022.29	ug/l	94
51) 4-Methyl-2-Pentanone	9.952	43	472654	228.62	ug/l	98
52) Toluene	10.122	92	226866	51.00	ug/l	96
53) t-1,3-Dichloropropene	10.351	75	124580	44.03	ug/l	96
54) cis-1,3-Dichloropropene	9.807	75	128709	45.12	ug/l	100
55) 1,1,2-Trichloroethane	10.531	97	80276	48.22	ug/l	99
56) Ethyl methacrylate	10.399	69	124125	49.59	ug/l	98
57) 1,3-Dichloropropane	10.675	76	138997	47.36	ug/l	100
59) 2-Hexanone	10.720	43	343227	233.07	ug/l	98
60) Dibromochloromethane	10.871	129	87063	51.17	ug/l	100
61) 1,2-Dibromoethane	10.974	107	84835	50.16	ug/l	98
64) Tetrachloroethene	10.601	164	80665	46.46	ug/l	97
65) Chlorobenzene	11.402	112	220038	46.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.479	131	80447	49.81	ug/l	98
67) Ethyl Benzene	11.482	91	398338	46.80	ug/l	97
68) m/p-Xylenes	11.592	106	298056	93.85	ug/l	96
69) o-Xylene	11.920	106	147764	48.25	ug/l	97
70) Styrene	11.936	104	245517	48.70	ug/l	96
71) Bromoform	12.100	173	57742	47.05	ug/l #	99
73) Isopropylbenzene	12.222	105	383482	45.39	ug/l	99
74) N-amyl acetate	12.042	43	79267	27.05	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.476	83	111566	44.76	ug/l	98
76) 1,2,3-Trichloropropane	12.527	75	110078m	44.26	ug/l	
77) Bromobenzene	12.498	156	92709	47.96	ug/l	88
78) n-propylbenzene	12.563	91	421204	43.84	ug/l	100
79) 2-Chlorotoluene	12.646	91	266977	44.33	ug/l	98
80) 1,3,5-Trimethylbenzene	12.704	105	326233	45.45	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.273	75	30199	38.70	ug/l	96
82) 4-Chlorotoluene	12.743	91	279354	45.94	ug/l	97
83) tert-Butylbenzene	12.965	119	271636	45.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.013	105	324188	44.99	ug/l	98
85) sec-Butylbenzene	13.145	105	336933	43.76	ug/l	100
86) p-Isopropyltoluene	13.260	119	311150	44.51	ug/l	98
87) 1,3-Dichlorobenzene	13.254	146	159579	46.64	ug/l	97
88) 1,4-Dichlorobenzene	13.334	146	163659	46.83	ug/l	97
89) n-Butylbenzene	13.585	91	248961	42.24	ug/l	99
90) Hexachloroethane	13.846	117	44755	37.82	ug/l	100
91) 1,2-Dichlorobenzene	13.624	146	163517	47.66	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.241	75	25856	52.58	ug/l	90
93) 1,2,4-Trichlorobenzene	14.878	180	92692	50.06	ug/l	99
94) Hexachlorobutadiene	14.977	225	33352	41.88	ug/l	99
95) Naphthalene	15.100	128	326213	54.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.280	180	95788	51.73	ug/l	99

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

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