

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064685.D
 Acq On : 17 Nov 2020 17:07
 Operator : JC/MD
 Sample : L4772-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:15:53 PM

Quant Time: Nov 18 02:58:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	323960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	558510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	532754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	282888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	261057	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.55	113	189348	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.06	98	699759	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.38	95	284001	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	192116	45.556	ug/l	98
3) Chloromethane	2.04	50	219481	42.848	ug/l	98
4) Vinyl Chloride	2.17	62	246952	46.948	ug/l	98
5) Bromomethane	2.53	94	160623	47.799	ug/l	99
6) Chloroethane	2.67	64	156475	46.463	ug/l	98
7) Trichlorofluoromethane	2.99	101	394791	50.970	ug/l	99
8) Diethyl Ether	3.38	74	132547	48.459	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	176653	48.028	ug/l	99
10) Methyl Iodide	3.91	142	208297	48.737	ug/l	100
11) Tert butyl alcohol	4.74	59	182053	292.552	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	163690	47.246	ug/l	93
13) Acrolein	3.57	56	95417	247.194	ug/l	96
14) Allyl chloride	4.28	41	293972	43.374	ug/l	97
15) Acrylonitrile	4.93	53	436440	251.908	ug/l	98
16) Acetone	3.78	43	419914	195.356	ug/l	100
17) Carbon Disulfide	4.01	76	440242	42.490	ug/l	96
18) Methyl Acetate	4.28	43	207701	49.150	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	607240	48.697	ug/l	100
20) Methylene Chloride	4.50	84	197400	46.287	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	182540	46.402	ug/l	98
22) Diisopropyl ether	5.90	45	657087	45.672	ug/l	98
23) Vinyl Acetate	5.85	43	2723120	232.668	ug/l	97
24) 1,1-Dichloroethane	5.79	63	363922	46.032	ug/l	99
25) 2-Butanone	6.79	43	617365	225.420	ug/l	94
26) 2,2-Dichloropropane	6.78	77	332807	46.503	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	255282	56.003	ug/l	94
28) Bromochloromethane	7.15	49	169733	43.678	ug/l	92
29) Tetrahydrofuran	7.17	42	407521	242.532	ug/l	97
30) Chloroform	7.33	83	396902	47.761	ug/l	98
31) Cyclohexane	7.61	56	288786	42.100	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	359901	48.829	ug/l	97
36) 1,1-Dichloropropene	7.75	75	279870	47.434	ug/l	99
37) Ethyl Acetate	6.88	43	264701	44.291	ug/l	99
38) Carbon Tetrachloride	7.74	117	308977	48.998	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	278439	52.643	ug/l	99
40) Benzene	8.00	78	802302	46.274	ug/l	100
41) Methacrylonitrile	7.13	41	120987m	46.251	ug/l	
42) 1,2-Dichloroethane	8.08	62	334031	47.740	ug/l	100
43) Isopropyl Acetate	8.13	43	464478	48.576	ug/l	98
44) Trichloroethene	8.80	130	205191	46.908	ug/l	99
45) 1,2-Dichloropropane	9.08	63	214255	46.314	ug/l	98
46) Dibromomethane	9.17	93	153361	50.359	ug/l	98
47) Bromodichloromethane	9.37	83	324351	49.533	ug/l	99
48) Methyl methacrylate	9.16	41	234884	48.681	ug/l	99
49) 1,4-Dioxane	9.16	88	67587	1063.501	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1452801	260.535	ug/l	99
52) Toluene	10.12	92	507710	48.012	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	347913	50.116	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	348645	46.972	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	215465	52.246	ug/l	98
56) Ethyl methacrylate	10.40	69	314884	46.539	ug/l	97
57) 1,3-Dichloropropane	10.68	76	346627	48.153	ug/l	99
59) 2-Hexanone	10.72	43	1075828	236.814	ug/l	99
60) Dibromochloromethane	10.87	129	240122	52.004	ug/l	100
61) 1,2-Dibromoethane	10.97	107	216746	51.814	ug/l	98
64) Tetrachloroethene	10.60	164	184716	45.011	ug/l	98
65) Chlorobenzene	11.41	112	559091	47.871	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	218667	50.187	ug/l	98
67) Ethyl Benzene	11.48	91	3177249	152.943	ug/l	97
68) m/p-Xylenes	11.60	106	1305509	173.283	ug/l	100
69) o-Xylene	11.92	106	426873	58.635	ug/l	100
70) Stvrene	11.94	104	643014	52.488	ug/l	99
71) Bromoform	12.10	173	157216	48.105	ug/l #	98
73) Isopropylbenzene	12.22	105	3634040	161.622	ug/l	98
74) N-amyl acetate	12.04	43	512746	47.091	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	315542	45.689	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	302469m	44.129	ug/l	
77) Bromobenzene	12.50	156	236638	43.107	ug/l	94
78) n-propylbenzene	12.56	91	5546975	216.388	ug/l	94
79) 2-Chlorotoluene	12.65	91	1004875	61.806	ug/l	84
80) 1,3,5-Trimethylbenzene	12.71	105	1757031	94.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	106569	43.412	ug/l	93
82) 4-Chlorotoluene	12.75	91	772013	45.341	ug/l	99
83) tert-Butylbenzene	12.97	119	1052732	72.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	12141716m	651.128	ug/l	
85) sec-Butylbenzene	13.14	105	2491312	135.783	ug/l	85
86) p-Isopropyltoluene	13.26	119	1331686	80.691	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	461382	48.621	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	484650	49.421	ug/l	99
89) n-Butylbenzene	13.59	91	1634045	115.158	ug/l #	86
90) Hexachloroethane	13.86	117	387021	121.567	ug/l #	55
91) 1,2-Dichlorobenzene	13.63	146	467863	51.256	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	85800	62.399	ug/l	96
93) 1,2,4-Trichlorobenzene	14.88	180	262768	57.467	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	114538	61.631	ug/l	99
95) Naphthalene	15.10	128	2298696	141.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	258686	58.410	ug/l	99

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

