

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062444.D
 Acq On : 9 Jul 2020 7:11
 Operator : JC/MD
 Sample : L3215-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:57 AM

Quant Time: Jul 09 07:38:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	347330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	161954	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.55	113	114206	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	10.06	98	449742	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	12.38	95	166458	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	107354	49.410	ug/l	97
3) Chloromethane	2.04	50	155511	44.607	ug/l	99
4) Vinyl Chloride	2.16	62	137807	48.248	ug/l	99
5) Bromomethane	2.53	94	51607	33.642	ug/l	97
6) Chloroethane	2.67	64	82226	49.428	ug/l	96
7) Trichlorofluoromethane	2.98	101	180245	49.688	ug/l	100
8) Diethyl Ether	3.37	74	84573	52.139	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	102937	47.869	ug/l	99
10) Methyl Iodide	3.91	142	118865	41.863	ug/l	100
11) Tert butyl alcohol	4.73	59	121712	223.633	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	110427	50.438	ug/l	97
13) Acrolein	3.57	56	34615	88.167	ug/l	96
14) Allyl chloride	4.28	41	199537	38.752	ug/l	91
15) Acrylonitrile	4.93	53	355668	249.176	ug/l	99
16) Acetone	3.78	43	304344	218.491	ug/l	96
17) Carbon Disulfide	4.01	76	341277	49.746	ug/l	100
18) Methyl Acetate	4.28	43	127915	36.798	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	432250	52.074	ug/l	100
20) Methylene Chloride	4.50	84	137645	46.217	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	119079	50.205	ug/l	98
22) Diisopropyl ether	5.90	45	511153	50.246	ug/l	96
23) Vinyl Acetate	5.84	43	1662995	197.337	ug/l	100
24) 1,1-Dichloroethane	5.80	63	264454	50.307	ug/l	100
25) 2-Butanone	6.79	43	488487	240.126	ug/l	99
26) 2,2-Dichloropropane	6.78	77	78904	19.576	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	143040	52.066	ug/l	91
28) Bromochloromethane	7.15	49	133048	46.586	ug/l	96
29) Tetrahydrofuran	7.17	42	337618	246.509	ug/l	99
30) Chloroform	7.33	83	246105	51.851	ug/l	97
31) Cyclohexane	7.61	56	284835	57.156	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	200260	50.723	ug/l	99
36) 1,1-Dichloropropene	7.75	75	185358	47.598	ug/l	98
37) Ethyl Acetate	6.88	43	170376	37.416	ug/l	99
38) Carbon Tetrachloride	7.73	117	169579	48.436	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	241681	58.131	ug/l	100
40) Benzene	8.00	78	562918	49.046	ug/l	100
41) Methacrylonitrile	7.14	41	103897m	54.610	ug/l	
42) 1,2-Dichloroethane	8.09	62	209349	49.815	ug/l	92
43) Isopropyl Acetate	8.12	43	379639	52.776	ug/l	95
44) Trichloroethene	8.80	130	127144	49.929	ug/l	96
45) 1,2-Dichloropropane	9.09	63	163995	49.221	ug/l	100
46) Dibromomethane	9.18	93	93008	49.467	ug/l	100
47) Bromodichloromethane	9.37	83	198580	49.400	ug/l	98
48) Methyl methacrylate	9.17	41	164667	46.666	ug/l	97
49) 1,4-Dioxane	9.17	88	47230	919.596	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1055038	245.557	ug/l	99
52) Toluene	10.12	92	328867	49.607	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	198899	44.164	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	211457	42.555	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	134370	51.534	ug/l	99
56) Ethyl methacrylate	10.40	69	229883	47.979	ug/l	99
57) 1,3-Dichloropropane	10.68	76	242998	50.445	ug/l	100
59) 2-Hexanone	10.72	43	764832	245.205	ug/l	98
60) Dibromochloromethane	10.87	129	141604	50.088	ug/l	99
61) 1,2-Dibromoethane	10.98	107	135375	51.433	ug/l	99
64) Tetrachloroethene	10.60	164	94424	45.814	ug/l	98
65) Chlorobenzene	11.41	112	338981	50.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	123273	49.520	ug/l	98
67) Ethyl Benzene	11.48	91	889138	70.170	ug/l	98
68) m/p-Xylenes	11.60	106	460336	102.623	ug/l	99
69) o-Xylene	11.92	106	252907	57.907	ug/l	97
70) Stvrene	11.94	104	393521	54.518	ug/l	100
71) Bromoform	12.10	173	94311	51.681	ug/l #	97
73) Isopropylbenzene	12.22	105	1797937	152.963	ug/l	99
74) N-amyl acetate	12.04	43	259911	45.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	199664	50.521	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	181700m	48.752	ug/l	
77) Bromobenzene	12.50	156	184052	68.877	ug/l	59
78) n-propylbenzene	12.57	91	2123203	154.640	ug/l	99
79) 2-Chlorotoluene	12.65	91	498926	59.873	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	757042	78.566	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	35832	25.733	ug/l	97
82) 4-Chlorotoluene	12.75	91	420593	49.716	ug/l	99
83) tert-Butylbenzene	12.97	119	335059	40.975	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	6227364	650.195	ug/l	80
85) sec-Butylbenzene	13.15	105	484894	44.750	ug/l	95
86) p-Isopropyltoluene	13.27	119	617720	66.052	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	221324	48.011	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	220545	46.496	ug/l	98
89) n-Butylbenzene	13.59	91	513656	62.204	ug/l #	78
90) Hexachloroethane	13.86	117	208617	113.400	ug/l #	39
91) 1,2-Dichlorobenzene	13.63	146	216984	48.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49604	68.777	ug/l	84
93) 1,2,4-Trichlorobenzene	14.88	180	105513	49.861	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	26137	22.086	ug/l	97
95) Naphthalene	15.11	128	12151362	698.349	ug/l #	46
96) 1,2,3-Trichlorobenzene	15.28	180	106209	44.624	ug/l	96

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

