

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061063.D
 Acq On : 17 Apr 2020 19:55
 Operator : JC/MD
 Sample : L2337-05MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:28 AM

Quant Time: Apr 20 04:21:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	149175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112039	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95465	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.56	113	73815	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.08	98	264819	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.39	95	105766	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	88277	44.810	ug/l	99
3) Chloromethane	2.04	50	131349	49.645	ug/l	97
4) Vinyl Chloride	2.17	62	108053	49.144	ug/l	99
5) Bromomethane	2.54	94	51843	47.019	ug/l	100
6) Chloroethane	2.68	64	66139	52.147	ug/l	97
7) Trichlorofluoromethane	3.00	101	134644	49.189	ug/l	99
8) Diethyl Ether	3.38	74	55636	51.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71042	44.236	ug/l	99
10) Methyl Iodide	3.93	142	76459	53.967	ug/l	99
11) Tert butyl alcohol	4.73	59	90692	267.816	ug/l	100
12) 1,1-Dichloroethene	3.72	96	79642	48.787	ug/l	98
13) Acrolein	3.57	56	68923	241.053	ug/l	100
14) Allyl chloride	4.29	41	143531	46.469	ug/l	98
15) Acrylonitrile	4.94	53	252537	275.044	ug/l	99
16) Acetone	3.78	43	209422	249.291	ug/l	99
17) Carbon Disulfide	4.03	76	226945	44.428	ug/l	100
18) Methyl Acetate	4.28	43	134982	51.241	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	287708	50.545	ug/l	99
20) Methylene Chloride	4.52	84	92207	50.272	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	83143	47.619	ug/l	97
22) Diisopropyl ether	5.91	45	326911	50.961	ug/l	97
23) Vinyl Acetate	5.86	43	1234701	245.447	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174586	50.390	ug/l	99
25) 2-Butanone	6.80	43	343313	266.693	ug/l	99
26) 2,2-Dichloropropane	6.79	77	123356	42.761	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99636	49.705	ug/l	98
28) Bromochloromethane	7.17	49	80863	50.845	ug/l	99
29) Tetrahydrofuran	7.18	42	238050	272.390	ug/l	100
30) Chloroform	7.35	83	164202	50.811	ug/l	98
31) Cyclohexane	7.63	56	154326	43.407	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	139633	49.954	ug/l	99
36) 1,1-Dichloropropene	7.77	75	125680	47.627	ug/l	100
37) Ethyl Acetate	6.89	43	142182	49.622	ug/l	100
38) Carbon Tetrachloride	7.75	117	111246	50.647	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	133859	42.430	ug/l	100
40) Benzene	8.02	78	384499	49.115	ug/l	100
41) Methacrylonitrile	7.14	41	62202m	52.046	ug/l	
42) 1,2-Dichloroethane	8.10	62	134326	50.369	ug/l	100
43) Isopropyl Acetate	8.14	43	233022	50.003	ug/l	100
44) Trichloroethene	8.82	130	93362	47.462	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105829	50.049	ug/l	99
46) Dibromomethane	9.19	93	62706	51.435	ug/l	99
47) Bromodichloromethane	9.38	83	129943	50.454	ug/l	100
48) Methyl methacrylate	9.18	41	108002	52.443	ug/l	99
49) 1,4-Dioxane	9.18	88	29946	1046.591	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	719825	267.952	ug/l	100
52) Toluene	10.14	92	227580	48.458	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	143723	48.042	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	155143	47.530	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89422	50.314	ug/l	97
56) Ethyl methacrylate	10.42	69	147209	52.674	ug/l	99
57) 1,3-Dichloropropane	10.70	76	159195	50.217	ug/l	99
59) 2-Hexanone	10.74	43	528620	272.854	ug/l	100
60) Dibromochloromethane	10.89	129	94096	51.540	ug/l	99
61) 1,2-Dibromoethane	10.99	107	92357	50.997	ug/l	99
64) Tetrachloroethene	10.62	164	86835	48.222	ug/l	97
65) Chlorobenzene	11.42	112	231112	47.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85518	49.204	ug/l	99
67) Ethyl Benzene	11.50	91	438521	47.989	ug/l	100
68) m/p-Xylenes	11.61	106	320358	97.006	ug/l	100
69) o-Xylene	11.94	106	154497	48.657	ug/l	99
70) Stvrene	11.96	104	246388	48.199	ug/l	100
71) Bromoform	12.12	173	67922	52.355	ug/l #	100
73) Isopropylbenzene	12.24	105	412847	45.995	ug/l	100
74) N-amyl acetate	12.06	43	194160	46.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	135951	49.617	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	117928m	47.853	ug/l	
77) Bromobenzene	12.52	156	97648	46.594	ug/l	99
78) n-propylbenzene	12.59	91	487156	46.388	ug/l	100
79) 2-Chlorotoluene	12.67	91	285117	46.291	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	347304	46.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	45021	45.061	ug/l	98
82) 4-Chlorotoluene	12.77	91	294480	46.099	ug/l	100
83) tert-Butylbenzene	12.99	119	288541	46.244	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	346725	47.278	ug/l	100
85) sec-Butylbenzene	13.17	105	387720	45.861	ug/l	100
86) p-Isopropyltoluene	13.28	119	346557	46.034	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	171724	45.978	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	170285	45.320	ug/l	100
89) n-Butylbenzene	13.61	91	310144	44.302	ug/l	99
90) Hexachloroethane	13.87	117	52460	45.420	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	168514	47.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28150	53.085	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	95363	45.198	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	44332	40.844	ug/l	99
95) Naphthalene	15.13	128	297179	48.297	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	93116	45.796	ug/l	99

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

