

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061089.D
 Acq On : 18 Apr 2020 6:31
 Operator : JC/MD
 Sample : L2338-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MSD

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:23 AM

Quant Time: Apr 20 07:25:17 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	146328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	256023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	91550	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.56	113	71479	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
50) Toluene-d8	10.08	98	258758	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.39	95	103236	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94870	49.059	ug/l	99
3) Chloromethane	2.04	50	131016	50.483	ug/l	99
4) Vinyl Chloride	2.17	62	110480	51.226	ug/l	99
5) Bromomethane	2.54	94	53317	49.297	ug/l	100
6) Chloroethane	2.68	64	65424	52.587	ug/l	100
7) Trichlorofluoromethane	3.00	101	138466	51.570	ug/l	99
8) Diethyl Ether	3.38	74	55789	52.278	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74484	47.282	ug/l	99
10) Methyl Iodide	3.93	142	75400	54.255	ug/l	99
11) Tert butyl alcohol	4.72	59	86402	260.112	ug/l	100
12) 1,1-Dichloroethene	3.71	96	80991	50.578	ug/l	99
13) Acrolein	3.57	56	56847	202.686	ug/l	98
14) Allyl chloride	4.29	41	143605	47.398	ug/l	100
15) Acrylonitrile	4.94	53	248394	275.796	ug/l	99
16) Acetone	3.78	43	203879	247.414	ug/l	99
17) Carbon Disulfide	4.03	76	246241	49.143	ug/l	98
18) Methyl Acetate	4.28	43	118075	45.695	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	284418	50.940	ug/l	99
20) Methylene Chloride	4.52	84	91944	51.104	ug/l	100
21) trans-1,2-Dichloroethene	5.00	96	87707	51.210	ug/l	96
22) Diisopropyl ether	5.91	45	327528	52.051	ug/l	96
23) Vinyl Acetate	5.86	43	1039239	210.611	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174799	51.433	ug/l	100
25) 2-Butanone	6.79	43	333185	263.861	ug/l	99
26) 2,2-Dichloropropane	6.79	77	102418	36.194	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	100795	51.262	ug/l	97
28) Bromochloromethane	7.17	49	79250	50.801	ug/l	99
29) Tetrahydrofuran	7.18	42	229657	267.899	ug/l	100
30) Chloroform	7.34	83	163808	51.676	ug/l	97
31) Cyclohexane	7.63	56	162102	46.482	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	141207	51.499	ug/l	99
36) 1,1-Dichloropropene	7.77	75	127611	48.302	ug/l	99
37) Ethyl Acetate	6.89	43	120120	41.873	ug/l	99
38) Carbon Tetrachloride	7.75	117	112654	51.228	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	141470	44.789	ug/l	99
40) Benzene	8.02	78	387010	49.378	ug/l	100
41) Methacrylonitrile	7.15	41	68879m	57.565	ug/l	
42) 1,2-Dichloroethane	8.10	62	135051	50.581	ug/l	99
43) Isopropyl Acetate	8.14	43	212964	45.646	ug/l	99
44) Trichloroethene	8.81	130	94753	48.113	ug/l	100
45) 1,2-Dichloropropane	9.10	63	105349	49.764	ug/l	99
46) Dibromomethane	9.19	93	62207	50.966	ug/l	99
47) Bromodichloromethane	9.38	83	130998	50.804	ug/l	99
48) Methyl methacrylate	9.18	41	107370	52.075	ug/l	98
49) 1,4-Dioxane	9.18	88	28501	995.597	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	706076	262.525	ug/l	99
52) Toluene	10.14	92	230154	48.949	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	145130	48.455	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	151792	46.449	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89010	50.023	ug/l	96
56) Ethyl methacrylate	10.42	69	145319	51.936	ug/l	99
57) 1,3-Dichloropropane	10.70	76	159261	50.179	ug/l	99
59) 2-Hexanone	10.74	43	515615	265.828	ug/l	99
60) Dibromochloromethane	10.89	129	94145	51.506	ug/l	100
61) 1,2-Dibromoethane	10.99	107	92243	50.874	ug/l	99
64) Tetrachloroethene	10.62	164	87029	48.360	ug/l	98
65) Chlorobenzene	11.42	112	234985	48.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85306	49.113	ug/l	99
67) Ethyl Benzene	11.50	91	441455	48.340	ug/l	100
68) m/p-Xylenes	11.61	106	321991	97.561	ug/l	99
69) o-Xylene	11.94	106	156176	49.216	ug/l	99
70) Stvrene	11.96	104	259551	50.806	ug/l	99
71) Bromoform	12.12	173	67663	52.188	ug/l #	100
73) Isopropylbenzene	12.24	105	415783	46.957	ug/l	100
74) N-amyl acetate	12.06	43	168574	40.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	134610	49.801	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113865m	46.837	ug/l	
77) Bromobenzene	12.52	156	99794	48.270	ug/l	98
78) n-propylbenzene	12.58	91	491512	47.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	288830	47.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	349033	47.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	42846	43.472	ug/l	99
82) 4-Chlorotoluene	12.77	91	301777	47.889	ug/l	99
83) tert-Butylbenzene	12.99	119	292825	47.574	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	349689	48.335	ug/l	100
85) sec-Butylbenzene	13.17	105	392931	47.115	ug/l	100
86) p-Isopropyltoluene	13.28	119	345741	46.556	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	175879	47.736	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	175289	47.291	ug/l	100
89) n-Butylbenzene	13.61	91	312690	45.278	ug/l	99
90) Hexachloroethane	13.87	117	55529	48.736	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	171160	48.674	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	27507	52.583	ug/l	99
93) 1,2,4-Trichlorobenzene	14.90	180	101573	48.802	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	46099	43.055	ug/l	99
95) Naphthalene	15.13	128	317409	52.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	101758	50.732	ug/l	99

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

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