

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061088.D
 Acq On : 18 Apr 2020 6:08
 Operator : JC/MD
 Sample : L2338-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:19 AM

Quant Time: Apr 20 07:22:13 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	137900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	243256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	226074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	89656	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.56	113	68415	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	10.08	98	249652	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.39	95	100695	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88598	48.619	ug/l	100
3) Chloromethane	2.04	50	125159	51.173	ug/l	99
4) Vinyl Chloride	2.17	62	105779	52.044	ug/l	99
5) Bromomethane	2.54	94	51000	50.036	ug/l	98
6) Chloroethane	2.68	64	63760	54.381	ug/l	100
7) Trichlorofluoromethane	3.00	101	134073	52.985	ug/l	99
8) Diethyl Ether	3.38	74	52872	52.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72241	48.661	ug/l	99
10) Methyl Iodide	3.93	142	70820	54.074	ug/l	99
11) Tert butyl alcohol	4.72	59	81796	261.295	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	78425	51.969	ug/l	99
13) Acrolein	3.57	56	54871	207.598	ug/l	97
14) Allyl chloride	4.29	41	136659	47.862	ug/l	99
15) Acrylonitrile	4.94	53	236224	278.313	ug/l	100
16) Acetone	3.78	43	196953	253.617	ug/l	98
17) Carbon Disulfide	4.03	76	234939	49.753	ug/l	99
18) Methyl Acetate	4.28	43	112463	46.183	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	275968	52.447	ug/l	98
20) Methylene Chloride	4.52	84	88864	52.411	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	85382	52.899	ug/l	97
22) Diisopropyl ether	5.91	45	311942	52.603	ug/l	97
23) Vinyl Acetate	5.86	43	1005111	216.144	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168339	52.560	ug/l	99
25) 2-Butanone	6.80	43	318330	267.504	ug/l	99
26) 2,2-Dichloropropane	6.79	77	100019	37.506	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	96729	52.200	ug/l	97
28) Bromochloromethane	7.17	49	78579	53.449	ug/l	100
29) Tetrahydrofuran	7.18	42	219434	271.618	ug/l	100
30) Chloroform	7.35	83	158485	53.052	ug/l	99
31) Cyclohexane	7.63	56	158148	48.119	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	136236	52.723	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124184	49.472	ug/l	99
37) Ethyl Acetate	6.89	43	116595	42.777	ug/l	100
38) Carbon Tetrachloride	7.75	117	109619	52.464	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	138824	46.258	ug/l	99
40) Benzene	8.02	78	373377	50.139	ug/l	99
41) Methacrylonitrile	7.15	41	65512m	57.625	ug/l	
42) 1,2-Dichloroethane	8.10	62	131001	51.640	ug/l	99
43) Isopropyl Acetate	8.14	43	205148	46.278	ug/l	99
44) Trichloroethene	8.81	130	91421	48.857	ug/l	100
45) 1,2-Dichloropropane	9.10	63	101249	50.337	ug/l	99
46) Dibromomethane	9.19	93	61042	52.636	ug/l	99
47) Bromodichloromethane	9.38	83	125496	51.225	ug/l	97
48) Methyl methacrylate	9.18	41	102135	52.136	ug/l	98
49) 1,4-Dioxane	9.18	88	25992	956.157	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	679556	265.925	ug/l	100
52) Toluene	10.14	92	224749	50.308	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	138997	48.843	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	146010	47.024	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87525	51.770	ug/l	97
56) Ethyl methacrylate	10.42	69	139000	52.285	ug/l	98
57) 1,3-Dichloropropane	10.69	76	153988	51.064	ug/l	99
59) 2-Hexanone	10.74	43	494266	268.195	ug/l	100
60) Dibromochloromethane	10.89	129	92773	53.419	ug/l	99
61) 1,2-Dibromoethane	10.99	107	89646	52.037	ug/l	99
64) Tetrachloroethene	10.62	164	86930	50.250	ug/l	99
65) Chlorobenzene	11.42	112	228401	48.940	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	83047	49.738	ug/l	99
67) Ethyl Benzene	11.50	91	428848	48.850	ug/l	99
68) m/p-Xylenes	11.61	106	313260	98.737	ug/l	99
69) o-Xylene	11.94	106	150079	49.199	ug/l	99
70) Stvrene	11.96	104	250426	50.994	ug/l	99
71) Bromoform	12.12	173	65400	52.474	ug/l #	99
73) Isopropylbenzene	12.24	105	402177	47.141	ug/l	100
74) N-amyl acetate	12.06	43	162788	41.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129571	49.754	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	111906m	47.776	ug/l	
77) Bromobenzene	12.52	156	95756	48.073	ug/l	99
78) n-propylbenzene	12.58	91	478047	47.894	ug/l	100
79) 2-Chlorotoluene	12.67	91	282015	48.174	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	337977	47.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	40390	42.533	ug/l	98
82) 4-Chlorotoluene	12.77	91	291908	48.079	ug/l	99
83) tert-Butylbenzene	12.99	119	284686	48.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	337221	48.379	ug/l	100
85) sec-Butylbenzene	13.17	105	384435	47.843	ug/l	99
86) p-Isopropyltoluene	13.28	119	336446	47.021	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	169765	47.823	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	168611	47.213	ug/l	100
89) n-Butylbenzene	13.61	91	303472	45.609	ug/l	100
90) Hexachloroethane	13.87	117	53282	48.536	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	165236	48.770	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	26448	52.475	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	96876	48.309	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	44798	43.425	ug/l	100
95) Naphthalene	15.13	128	296961	50.777	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	95057	49.188	ug/l	99

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

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