

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052310.D
 Acq On : 14 Nov 2018 13:16
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:31 PM

Quant Time: Nov 15 03:32:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	314906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	521971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	461007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	216030	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.59	113	170340	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.09	98	654536	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	225073	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	174079	52.167	ug/l	100
3) Chloromethane	2.06	50	227112	48.975	ug/l	99
4) Vinyl Chloride	2.19	62	192996	48.146	ug/l	99
5) Bromomethane	2.56	94	117005	46.820	ug/l	99
6) Chloroethane	2.70	64	106318	46.909	ug/l	96
7) Trichlorofluoromethane	3.02	101	270790	48.818	ug/l	99
8) Diethyl Ether	3.41	74	102711	48.584	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	170301	48.615	ug/l	98
10) Methyl Iodide	3.95	142	225024	47.843	ug/l	100
11) Tert butyl alcohol	4.78	59	48799	207.758	ug/l	96
12) 1,1-Dichloroethene	3.74	96	155991	48.120	ug/l	91
13) Acrolein	3.61	56	83177	236.104	ug/l	99
14) Allyl chloride	4.33	41	303433	45.586	ug/l	94
15) Acrylonitrile	4.99	53	321192	239.477	ug/l	99
16) Acetone	3.81	43	292616	238.951	ug/l	96
17) Carbon Disulfide	4.06	76	450763	48.493	ug/l	99
18) Methyl Acetate	4.32	43	165815	48.335	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	464111	49.820	ug/l	100
20) Methylene Chloride	4.55	84	180000	48.291	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	164763	47.208	ug/l	98
22) Diisopropyl ether	5.95	45	659399	48.552	ug/l	100
23) Vinyl Acetate	5.90	43	2335556	253.508	ug/l	99
24) 1,1-Dichloroethane	5.85	63	340358	46.737	ug/l	99
25) 2-Butanone	6.83	43	420182	243.768	ug/l	99
26) 2,2-Dichloropropane	6.82	77	268602	50.160	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	187062	46.041	ug/l	96
28) Bromochloromethane	7.19	49	174064	46.485	ug/l	98
29) Tetrahydrofuran	7.21	42	269068	237.621	ug/l	99
30) Chloroform	7.37	83	327800	47.232	ug/l	96
31) Cyclohexane	7.65	56	328204	48.509	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	275165	46.542	ug/l	98
36) 1,1-Dichloropropene	7.79	75	256112	48.954	ug/l	99
37) Ethyl Acetate	6.93	43	187186	49.300	ug/l	99
38) Carbon Tetrachloride	7.78	117	242150	50.379	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	308169	51.599	ug/l	100
40) Benzene	8.04	78	722460	48.338	ug/l	98
41) Methacrylonitrile	7.17	41	99270	47.291	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	259354	48.663	ug/l	100
43) Isopropyl Acetate	8.17	43	347279	47.399	ug/l	98
44) Trichloroethene	8.83	130	183863	49.942	ug/l	100
45) 1,2-Dichloropropane	9.12	63	203778	48.043	ug/l	99
46) Dibromomethane	9.21	93	119382	48.619	ug/l	99
47) Bromodichloromethane	9.40	83	249806	49.577	ug/l	99
48) Methyl methacrylate	9.20	41	176064	47.358	ug/l	98
49) 1,4-Dioxane	9.20	88	22895	802.237	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	918475	249.041	ug/l	100
52) Toluene	10.16	92	442171	49.455	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	260467	51.254	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	298530	51.531	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156142	48.174	ug/l	97
56) Ethyl methacrylate	10.43	69	219572	51.512	ug/l	99
57) 1,3-Dichloropropane	10.71	76	278999	48.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	613270	252.709	ug/l	100
59) 2-Hexanone	10.75	43	656424	258.766	ug/l	99
60) Dibromochloromethane	10.90	129	173787	49.558	ug/l	100
61) 1,2-Dibromoethane	11.00	107	158859	49.204	ug/l	99
64) Tetrachloroethene	10.63	164	161842	49.380	ug/l	99
65) Chlorobenzene	11.43	112	480222	49.281	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	168807	50.801	ug/l	99
67) Ethyl Benzene	11.51	91	867607	51.299	ug/l	98
68) m/p-Xylenes	11.62	106	648161	104.888	ug/l	100
69) o-Xylene	11.95	106	312573	52.768	ug/l	100
70) Styrene	11.96	104	506197	53.369	ug/l	100
71) Bromoform	12.13	173	103874	52.944	ug/l #	98
73) Isopropylbenzene	12.25	105	855901	48.666	ug/l	99
74) N-amyl acetate	12.07	43	318652	50.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	192205	45.209	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179478m	48.355	ug/l	
77) Bromobenzene	12.52	156	193654	47.324	ug/l	98
78) n-propylbenzene	12.59	91	1012242	49.213	ug/l	100
79) 2-Chlorotoluene	12.67	91	580725	48.330	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	699668	50.027	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	56242	49.146	ug/l	99
82) 4-Chlorotoluene	12.77	91	600658	48.792	ug/l	98
83) tert-Butylbenzene	12.99	119	603181	48.850	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	716150	51.007	ug/l	98
85) sec-Butylbenzene	13.17	105	852999	50.714	ug/l	100
86) p-Isopropyltoluene	13.29	119	733108	51.454	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	355764	48.952	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	355846	49.249	ug/l	99
89) n-Butylbenzene	13.61	91	668931	54.664	ug/l	100
90) Hexachloroethane	13.87	117	124626	49.385	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	341399	48.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30912	49.308	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166174	50.689	ug/l	99
94) Hexachlorobutadiene	15.01	225	87310	54.176	ug/l	97
95) Naphthalene	15.13	128	374297	48.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146635	54.807	ug/l	97

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

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