

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053088.D
 Acq On : 21 Dec 2018 6:09
 Operator : MD\SY
 Sample : J6519-02MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MS

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:52 AM

Quant Time: Dec 21 07:38:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	921137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1445414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1318303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	632578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	523196	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	7.59	113	452528	68.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.08%	
50) Toluene-d8	10.09	98	1916908	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.40	95	681316	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	426310	45.729	ug/l	99
3) Chloromethane	2.06	50	550348	48.716	ug/l	100
4) Vinyl Chloride	2.19	62	554112	48.431	ug/l	100
5) Bromomethane	2.57	94	246672	31.118	ug/l	100
6) Chloroethane	2.71	64	333284	49.185	ug/l	100
7) Trichlorofluoromethane	3.02	101	688540	48.309	ug/l	100
8) Diethyl Ether	3.41	74	283662	52.755	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	428917	47.198	ug/l	98
10) Methyl Iodide	3.96	142	470889	36.898	ug/l	100
11) Tert butyl alcohol	4.78	59	162569	285.026	ug/l	97
12) 1,1-Dichloroethene	3.74	96	433030	49.322	ug/l	98
13) Acrolein	3.61	56	86071	166.426	ug/l	97
14) Allyl chloride	4.33	41	664466	48.860	ug/l	98
15) Acrylonitrile	4.99	53	839180	264.837	ug/l	100
16) Acetone	3.82	43	565314	308.441	ug/l	96
17) Carbon Disulfide	4.06	76	1248137	43.592	ug/l	99
18) Methyl Acetate	4.32	43	447036	53.665	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1800981	76.654	ug/l	100
20) Methylene Chloride	4.55	84	512542	51.266	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	470299	49.857	ug/l	97
22) Diisopropyl ether	5.95	45	1574660	54.246	ug/l	98
23) Vinyl Acetate	5.90	43	4742232	284.102	ug/l	99
24) 1,1-Dichloroethane	5.85	63	891691	51.694	ug/l	99
25) 2-Butanone	6.83	43	883397	287.199	ug/l	97
26) 2,2-Dichloropropane	6.83	77	496466	37.704	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	556135	52.077	ug/l	97
28) Bromochloromethane	7.20	49	415610	55.604	ug/l	96
29) Tetrahydrofuran	7.21	42	619383	269.614	ug/l	98
30) Chloroform	7.37	83	876453	51.724	ug/l	100
31) Cyclohexane	7.66	56	804078	49.696	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	721980	50.016	ug/l	99
36) 1,1-Dichloropropene	7.80	75	663352	47.814	ug/l	99
37) Ethyl Acetate	6.93	43	417588	53.918	ug/l	99
38) Carbon Tetrachloride	7.78	117	611139	48.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	773420	45.891	ug/l	97
40) Benzene	8.04	78	2135964	51.760	ug/l	99
41) Methacrylonitrile	7.17	41	241017	53.860	ug/l	97
42) 1,2-Dichloroethane	8.13	62	618668	50.749	ug/l	99
43) Isopropyl Acetate	8.17	43	794052	53.044	ug/l	99
44) Trichloroethene	8.84	130	561641	47.055	ug/l	96
45) 1,2-Dichloropropane	9.12	63	552056	51.360	ug/l	100
46) Dibromomethane	9.21	93	314420	50.214	ug/l	98
47) Bromodichloromethane	9.40	83	674112	50.647	ug/l	99
48) Methyl methacrylate	9.20	41	390832	52.004	ug/l	98
49) 1,4-Dioxane	9.20	88	99611	1047.807	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2109886	281.308	ug/l	99
52) Toluene	10.16	92	1300891	50.860	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	671334	47.966	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	778424	48.454	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	469230	52.584	ug/l	99
56) Ethyl methacrylate	10.43	69	654470	55.412	ug/l	97
57) 1,3-Dichloropropane	10.71	76	791704	51.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1668936	257.386	ug/l	98
59) 2-Hexanone	10.75	43	1441772	284.118	ug/l	99
60) Dibromochloromethane	10.90	129	516033	50.520	ug/l	100
61) 1,2-Dibromoethane	11.01	107	460553	50.819	ug/l	100
64) Tetrachloroethene	10.63	164	574249	40.213	ug/l	98
65) Chlorobenzene	11.43	112	1449653	49.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	504635	49.658	ug/l	99
67) Ethyl Benzene	11.51	91	2494885	49.644	ug/l	100
68) m/p-Xylenes	11.62	106	1888267	98.835	ug/l	100
69) o-Xylene	11.95	106	935537	51.030	ug/l	100
70) Styrene	11.96	104	1539949	51.514	ug/l	99
71) Bromoform	12.13	173	358476	48.830	ug/l #	99
73) Isopropylbenzene	12.25	105	2705453	54.662	ug/l	100
74) N-amyl acetate	12.07	43	817003	59.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	546339	56.266	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	476129m	44.712	ug/l	
77) Bromobenzene	12.53	156	688054	53.480	ug/l	90
78) n-propylbenzene	12.59	91	3121794	55.382	ug/l	99
79) 2-Chlorotoluene	12.68	91	1632829	46.732	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1978481	49.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142385	43.096	ug/l	98
82) 4-Chlorotoluene	12.77	91	1688256	49.360	ug/l	100
83) tert-Butylbenzene	12.99	119	1743994	48.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2014702	49.679	ug/l	99
85) sec-Butylbenzene	13.17	105	2400061	49.733	ug/l	99
86) p-Isopropyltoluene	13.29	119	1983033	47.555	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1099397	48.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1095875	47.524	ug/l	100
89) n-Butylbenzene	13.62	91	1652713	46.069	ug/l	99
90) Hexachloroethane	13.88	117	343251	53.640	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1058238	49.380	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84716	50.459	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	563843	49.665	ug/l	96
94) Hexachlorobutadiene	15.01	225	300579	51.198	ug/l	99
95) Naphthalene	15.13	128	1510479	60.485	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	511461	50.024	ug/l	98

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

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