

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053089.D
 Acq On : 21 Dec 2018 6:36
 Operator : MD\SY
 Sample : J6519-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 28

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

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:59 AM

Quant Time: Dec 21 07:39:59 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	959905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1504751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1345965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	648661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	530838	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	7.59	113	451745	65.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.44%	
50) Toluene-d8	10.09	98	1887514	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	670869	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	416225	42.844	ug/l	99
3) Chloromethane	2.06	50	551812	46.873	ug/l	100
4) Vinyl Chloride	2.19	62	551974	46.296	ug/l	100
5) Bromomethane	2.57	94	314076	38.021	ug/l	98
6) Chloroethane	2.71	64	336618	47.671	ug/l	99
7) Trichlorofluoromethane	3.03	101	705592	47.506	ug/l	99
8) Diethyl Ether	3.41	74	292450	52.192	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	432629	45.684	ug/l	98
10) Methyl Iodide	3.96	142	583741	43.894	ug/l	99
11) Tert butyl alcohol	4.78	59	170808	287.376	ug/l	97
12) 1,1-Dichloroethene	3.74	96	441007	48.202	ug/l	98
13) Acrolein	3.61	56	112713	209.138	ug/l	98
14) Allyl chloride	4.33	41	683625	48.238	ug/l	98
15) Acrylonitrile	4.99	53	877163	265.644	ug/l	100
16) Acetone	3.82	43	587816	307.766	ug/l	96
17) Carbon Disulfide	4.06	76	1298311	43.513	ug/l	100
18) Methyl Acetate	4.33	43	468953	54.016	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1874630	76.566	ug/l	100
20) Methylene Chloride	4.55	84	521956	50.099	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	492694	50.122	ug/l	98
22) Diisopropyl ether	5.95	45	1616682	53.444	ug/l	98
23) Vinyl Acetate	5.90	43	4950311	284.590	ug/l	98
24) 1,1-Dichloroethane	5.85	63	921450	51.262	ug/l	99
25) 2-Butanone	6.83	43	912521	284.686	ug/l	98
26) 2,2-Dichloropropane	6.83	77	505413	36.833	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	566369	50.893	ug/l	98
28) Bromochloromethane	7.20	49	414845	53.260	ug/l	94
29) Tetrahydrofuran	7.21	42	644566	269.244	ug/l	97
30) Chloroform	7.37	83	903634	51.174	ug/l	100
31) Cyclohexane	7.66	56	814106	48.253	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	740046	49.197	ug/l	99
36) 1,1-Dichloropropene	7.80	75	681436	47.181	ug/l	100
37) Ethyl Acetate	6.93	43	432359	53.624	ug/l	98
38) Carbon Tetrachloride	7.78	117	634013	47.892	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	769756	43.872	ug/l	98
40) Benzene	8.04	78	2190151	50.981	ug/l	99
41) Methacrylonitrile	7.17	41	250979	53.874	ug/l	96
42) 1,2-Dichloroethane	8.13	62	632779	49.859	ug/l	99
43) Isopropyl Acetate	8.17	43	827549	53.103	ug/l	99
44) Trichloroethene	8.84	130	567745	45.691	ug/l	98
45) 1,2-Dichloropropane	9.12	63	565529	50.539	ug/l	100
46) Dibromomethane	9.21	93	326406	50.073	ug/l	98
47) Bromodichloromethane	9.40	83	691518	49.906	ug/l	100
48) Methyl methacrylate	9.20	41	403629	51.589	ug/l	99
49) 1,4-Dioxane	9.20	88	101955	1030.172	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2190180	280.498	ug/l	99
52) Toluene	10.16	92	1312951	49.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	689759	47.339	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	797691	47.695	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	480434	51.717	ug/l	99
56) Ethyl methacrylate	10.43	69	668805	54.393	ug/l	97
57) 1,3-Dichloropropane	10.71	76	806513	50.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1742902	258.194	ug/l	98
59) 2-Hexanone	10.75	43	1469472	278.158	ug/l	99
60) Dibromochloromethane	10.90	129	530260	49.866	ug/l	100
61) 1,2-Dibromoethane	11.01	107	476825	50.540	ug/l	100
64) Tetrachloroethene	10.63	164	579562	39.751	ug/l	98
65) Chlorobenzene	11.43	112	1451181	48.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516304	49.762	ug/l	99
67) Ethyl Benzene	11.51	91	2500628	48.735	ug/l	100
68) m/p-Xylenes	11.62	106	1888515	96.817	ug/l	100
69) o-Xylene	11.95	106	938744	50.153	ug/l	100
70) Styrene	11.97	104	1541859	50.518	ug/l	100
71) Bromoform	12.13	173	363949	48.556	ug/l #	100
73) Isopropylbenzene	12.25	105	2699382	53.188	ug/l	100
74) N-amyl acetate	12.07	43	833271	59.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	561127	56.356	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	521060m	47.718	ug/l	
77) Bromobenzene	12.53	156	688935	52.221	ug/l	91
78) n-propylbenzene	12.59	91	3117832	53.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	1646386	45.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1976850	47.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147292	43.476	ug/l	97
82) 4-Chlorotoluene	12.77	91	1700179	48.476	ug/l	100
83) tert-Butylbenzene	12.99	119	1734898	47.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2021611	48.613	ug/l	99
85) sec-Butylbenzene	13.17	105	2407341	48.647	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995033	46.657	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1118026	47.882	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1112327	47.041	ug/l	100
89) n-Butylbenzene	13.62	91	1673577	45.494	ug/l	99
90) Hexachloroethane	13.88	117	348104	53.050	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1072317	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85493	49.659	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	568011	48.802	ug/l	97
94) Hexachlorobutadiene	15.01	225	305226	50.671	ug/l	99
95) Naphthalene	15.13	128	1549176	60.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	523795	49.961	ug/l	98

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

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