

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051131.D
 Acq On : 11 Sep 2018 16:51
 Operator : MD\SY
 Sample : J4849-06MSD 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:18 AM

Quant Time: Sep 12 03:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	679659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	890725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	454410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	379564	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.59	113	370819	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.09	98	1387490	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	471371	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	296002	45.16	ug/l	100
3) Chloromethane	2.06	50	382924	45.19	ug/l	100
4) Vinyl Chloride	2.18	62	406511	45.18	ug/l	99
5) Bromomethane	2.55	94	197556	38.69	ug/l	98
6) Chloroethane	2.70	64	250448	45.10	ug/l	100
7) Trichlorofluoromethane	3.01	101	561667	47.11	ug/l	100
8) Diethyl Ether	3.41	74	225453	51.42	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	363702	47.33	ug/l	99
10) Methyl Iodide	3.95	142	227846	33.76	ug/l	100
11) Tert butyl alcohol	4.79	59	176293	305.15	ug/l	100
12) 1,1-Dichloroethene	3.73	96	342451	47.24	ug/l	99
13) Acrolein	3.61	56	173864	246.89	ug/l	100
14) Allyl chloride	4.32	41	542586	49.12	ug/l	99
15) Acrylonitrile	4.99	53	725223	283.30	ug/l	100
16) Acetone	3.82	43	470248	251.48	ug/l	99
17) Carbon Disulfide	4.05	76	1009579	47.26	ug/l	99
18) Methyl Acetate	4.33	43	325161	53.68	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1021798	53.32	ug/l	98
20) Methylene Chloride	4.55	84	393235	47.07	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	365903	46.53	ug/l	99
22) Diisopropyl ether	5.96	45	1134479	51.74	ug/l	95
23) Vinyl Acetate	5.90	43	4065962	274.03	ug/l	100
24) 1,1-Dichloroethane	5.85	63	673403	48.41	ug/l	100
25) 2-Butanone	6.84	43	800856	269.31	ug/l	99
26) 2,2-Dichloropropane	6.82	77	533616	46.87	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	421283	48.83	ug/l	99
28) Bromochloromethane	7.20	49	314615	50.81	ug/l	99
29) Tetrahydrofuran	7.21	42	551861	297.17	ug/l	100
30) Chloroform	7.37	83	672651	48.61	ug/l	100
31) Cyclohexane	7.65	56	604839	48.76	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	578615	49.07	ug/l	99
36) 1,1-Dichloropropene	7.79	75	525163	48.89	ug/l	100
37) Ethyl Acetate	6.93	43	357652	57.49	ug/l	100
38) Carbon Tetrachloride	7.77	117	506985	47.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	595158	50.22	ug/l	99
40) Benzene	8.04	78	1593503	49.23	ug/l	99
41) Methacrylonitrile	7.18	41	178143	55.50	ug/l	98
42) 1,2-Dichloroethane	8.13	62	466814	49.48	ug/l	99
43) Isopropyl Acetate	8.17	43	628617	57.27	ug/l	98
44) Trichloroethene	8.84	130	429362	48.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	411654	49.22	ug/l	98
46) Dibromomethane	9.21	93	250642	49.12	ug/l	99
47) Bromodichloromethane	9.40	83	521976	50.31	ug/l	98
48) Methyl methacrylate	9.20	41	317575	59.37	ug/l	97
49) 1,4-Dioxane	9.20	88	99272	1183.51	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1787495	294.48	ug/l	100
52) Toluene	10.16	92	999480	50.64	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	544046	52.39	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	608330	49.96	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	375856	52.43	ug/l	99
56) Ethyl methacrylate	10.43	69	509567	52.82	ug/l	100
57) 1,3-Dichloropropane	10.71	76	613882	51.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	14693	18.64	ug/l	97
59) 2-Hexanone	10.75	43	1205966	292.96	ug/l	100
60) Dibromochloromethane	10.90	129	417542	51.67	ug/l	100
61) 1,2-Dibromoethane	11.01	107	375349	53.56	ug/l	100
64) Tetrachloroethene	10.63	164	387274	47.65	ug/l	99
65) Chlorobenzene	11.43	112	1103814	49.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	401251	49.64	ug/l	100
67) Ethyl Benzene	11.51	91	1992074	54.79	ug/l	100
68) m/p-Xylenes	11.62	106	1530014	109.52	ug/l	100
69) o-Xylene	11.95	106	713733	52.76	ug/l	99
70) Styrene	11.96	104	1151657	54.88	ug/l	100
71) Bromoform	12.13	173	306458	53.85	ug/l #	99
73) Isopropylbenzene	12.25	105	2796650	73.39	ug/l	100
74) N-amyl acetate	12.07	43	551836	57.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	493131	56.61	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	394712m	56.21	ug/l	
77) Bromobenzene	12.53	156	483940	47.28	ug/l	99
78) n-propylbenzene	12.59	91	4062913	97.00	ug/l	99
79) 2-Chlorotoluene	12.68	91	1328409	50.74	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	2114868	68.64	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	117974	49.31	ug/l	98
82) 4-Chlorotoluene	12.77	91	1242981	47.83	ug/l	99
83) tert-Butylbenzene	12.99	119	1389007	51.07	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	12029726	397.10	ug/l	99
85) sec-Butylbenzene	13.17	105	2171464	62.25	ug/l	96
86) p-Isopropyltoluene	13.29	119	1832023	61.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	825803	47.55	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	801621	50.28	ug/l	99
89) n-Butylbenzene	13.62	91	1461276	63.48	ug/l	94
90) Hexachloroethane	13.88	117	315948	58.78	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	807755	47.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77600	59.49	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	422404	51.52	ug/l	98
94) Hexachlorobutadiene	15.01	225	252072	51.16	ug/l	99
95) Naphthalene	15.13	128	964844	55.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	417296	53.21	ug/l	100

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

