

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049266.D
 Acq On : 15 Jun 2018 17:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:29:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1634722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2385309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2187866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1123089	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	1012999	46.72	ug/l	0.00
Spiked Amount						
			Recovery	=	93.44%	
35) Dibromofluoromethane	7.59	113	934395	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	3565584	48.52	ug/l	0.00
Spiked Amount						
			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	1201140	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	807972	42.94	ug/l	99
3) Chloromethane	2.06	50	1031655	42.46	ug/l	98
4) Vinyl Chloride	2.18	62	1108686	42.94	ug/l	100
5) Bromomethane	2.56	94	576313	42.46	ug/l	95
6) Chloroethane	2.70	64	668444	43.42	ug/l	99
7) Trichlorofluoromethane	3.01	101	1405951	43.64	ug/l	99
8) Diethyl Ether	3.41	74	521283	46.35	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	915680	44.82	ug/l	93
10) Methyl Iodide	3.95	142	955668	44.93	ug/l	92
11) Tert butyl alcohol	4.79	59	293325	230.50	ug/l	97
12) 1,1-Dichloroethene	3.73	96	832040	44.39	ug/l	91
13) Acrolein	3.60	56	312789	234.38	ug/l	99
14) Allyl chloride	4.32	41	1384690	46.79	ug/l	88
15) Acrylonitrile	4.99	53	1458640	229.23	ug/l	99
16) Acetone	3.82	43	1299059	246.76	ug/l	90
17) Carbon Disulfide	4.05	76	2518779	42.87	ug/l	100
18) Methyl Acetate	4.32	43	706235	44.00	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2311487	48.37	ug/l	99
20) Methylene Chloride	4.55	84	937203	42.63	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	895495	45.13	ug/l	91
22) Diisopropyl ether	5.95	45	2812808	47.59	ug/l	96
23) Vinyl Acetate	5.90	43	9512134	246.89	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1705850	45.10	ug/l	99
25) 2-Butanone	6.84	43	1708150	241.64	ug/l	95
26) 2,2-Dichloropropane	6.82	77	1443143	47.24	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	1023390	46.39	ug/l	92
28) Bromochloromethane	7.19	49	762234	45.45	ug/l	84
29) Tetrahydrofuran	7.21	42	1059473	232.84	ug/l	93
30) Chloroform	7.37	83	1689909	44.89	ug/l	100
31) Cyclohexane	7.65	56	1538576	47.97	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1454400	45.28	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1327322	48.55	ug/l	98
37) Ethyl Acetate	6.93	43	742943	49.99	ug/l	96
38) Carbon Tetrachloride	7.77	117	1306272	46.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1469963	50.09	ug/l	96
40) Benzene	8.04	78	3881775	46.31	ug/l	98
41) Methacrylonitrile	7.18	41	407876	50.76	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1181326	45.62	ug/l	96
43) Isopropyl Acetate	8.17	43	1356800	47.78	ug/l #	81
44) Trichloroethene	8.83	130	1038057	46.90	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1032219	47.04	ug/l	99
46) Dibromomethane	9.21	93	584715	45.95	ug/l	92
47) Bromodichloromethane	9.40	83	1294720	46.30	ug/l	96
48) Methyl methacrylate	9.20	41	648241	48.48	ug/l	86
49) 1,4-Dioxane	9.20	88	173643	940.86	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	3620501	243.27	ug/l	93
52) Toluene	10.16	92	2401708	48.82	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1321038	49.38	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1550446	49.09	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	847162	46.20	ug/l	95
56) Ethyl methacrylate	10.43	69	1072148	50.68	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1431714	47.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1817807	240.90	ug/l	94
59) 2-Hexanone	10.75	43	2446180	254.95	ug/l	92
60) Dibromochloromethane	10.90	129	970677	47.43	ug/l	99
61) 1,2-Dibromoethane	11.01	107	805643	47.26	ug/l	99
64) Tetrachloroethene	10.63	164	1001252	44.66	ug/l	98
65) Chlorobenzene	11.44	112	2605561	46.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	968448	45.66	ug/l	99
67) Ethyl Benzene	11.51	91	4560168	48.78	ug/l	98
68) m/p-Xylenes	11.62	106	3525879	100.50	ug/l	96
69) o-Xylene	11.95	106	1677520	49.64	ug/l	96
70) Styrene	11.97	104	2732218	51.25	ug/l	97
71) Bromoform	12.13	173	652023	47.49	ug/l #	99
73) Isopropylbenzene	12.25	105	4557638	46.22	ug/l	98
74) N-amyl acetate	12.07	43	1140665	47.23	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	986870	48.58	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	791007m	41.28	ug/l	
77) Bromobenzene	12.53	156	1101988	42.31	ug/l	92
78) n-propylbenzene	12.59	91	5225298	48.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	3066035	44.69	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3707673	47.84	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	276938	45.68	ug/l	91
82) 4-Chlorotoluene	12.78	91	3090280	46.69	ug/l	97
83) tert-Butylbenzene	12.99	119	3166294	46.11	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3727894	48.42	ug/l	97
85) sec-Butylbenzene	13.17	105	4309828	47.16	ug/l	99
86) p-Isopropyltoluene	13.29	119	3726840	48.81	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1957996	45.69	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1910775	44.99	ug/l	100
89) n-Butylbenzene	13.62	91	3058348	51.28	ug/l	97
90) Hexachloroethane	13.88	117	712210	49.26	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	1901928	45.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	146825	42.77	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	875488	45.88	ug/l	98
94) Hexachlorobutadiene	15.01	225	678185	55.47	ug/l	99
95) Naphthalene	15.14	128	1665692	48.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	871857	46.56	ug/l	98

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

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