

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049816.D
 Acq On : 14 Jul 2018 00:21
 Operator : MD\SY
 Sample : VN0713WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:50 AM

Quant Time: Jul 14 01:53:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1104269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1670129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1504439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	740349	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	664613	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	7.59	113	622833	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.09	98	2041724	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.40	95	719417	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	190836	19.14	ug/l	97
3) Chloromethane	2.06	50	255988	19.53	ug/l	100
4) Vinyl Chloride	2.18	62	288620	20.22	ug/l	99
5) Bromomethane	2.57	94	178531	19.83	ug/l	100
6) Chloroethane	2.70	64	187821	19.12	ug/l	98
7) Trichlorofluoromethane	3.01	101	410443	19.60	ug/l	99
8) Diethyl Ether	3.41	74	143458	19.12	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	254030	18.69	ug/l	99
10) Methyl Iodide	3.95	142	333138	19.29	ug/l	98
11) Tert butyl alcohol	4.80	59	81430	94.71	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	225226	18.86	ug/l	98
13) Acrolein	3.61	56	55528	73.53	ug/l	97
14) Allyl chloride	4.33	41	353941	18.16	ug/l	97
15) Acrylonitrile	5.00	53	424281	98.54	ug/l	99
16) Acetone	3.82	43	297370	92.75	ug/l	99
17) Carbon Disulfide	4.05	76	582437	18.77	ug/l	97
18) Methyl Acetate	4.33	43	236942	21.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	644392	19.45	ug/l	98
20) Methylene Chloride	4.55	84	280711	20.76	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	246547	18.89	ug/l	99
22) Diisopropyl ether	5.96	45	811099	20.26	ug/l	99
23) Vinyl Acetate	5.90	43	2587096	96.44	ug/l	100
24) 1,1-Dichloroethane	5.85	63	496306	19.74	ug/l	100
25) 2-Butanone	6.84	43	458975	91.69	ug/l	100
26) 2,2-Dichloropropane	6.83	77	321319	15.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	287225	19.24	ug/l	97
28) Bromochloromethane	7.20	49	228290	19.96	ug/l	99
29) Tetrahydrofuran	7.22	42	301346	95.86	ug/l	99
30) Chloroform	7.37	83	510088	19.69	ug/l	99
31) Cyclohexane	7.66	56	376981	18.67	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	434365	19.74	ug/l	99
36) 1,1-Dichloropropene	7.80	75	353368	18.36	ug/l	99
37) Ethyl Acetate	6.94	43	212901	18.69	ug/l	99
38) Carbon Tetrachloride	7.78	117	376643	18.72	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	341913	16.85	ug/l	96
40) Benzene	8.04	78	1103835	19.17	ug/l	100
41) Methacrylonitrile	7.18	41	121268	18.82	ug/l	97
42) 1,2-Dichloroethane	8.13	62	356868	18.95	ug/l	100
43) Isopropyl Acetate	8.17	43	456082	22.27	ug/l	97
44) Trichloroethene	8.84	130	288274	18.59	ug/l	98
45) 1,2-Dichloropropane	9.12	63	297635	19.24	ug/l	100
46) Dibromomethane	9.21	93	175565	19.10	ug/l	99
47) Bromodichloromethane	9.40	83	386129	19.08	ug/l	100
48) Methyl methacrylate	9.20	41	191160	18.67	ug/l	99
49) 1,4-Dioxane	9.20	88	50260	374.66	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1084296	97.53	ug/l	99
52) Toluene	10.16	92	670285	19.45	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	350257	17.99	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	408470	18.42	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	259100	19.46	ug/l	98
56) Ethyl methacrylate	10.43	69	291466	18.74	ug/l	97
57) 1,3-Dichloropropane	10.71	76	416930	18.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	708496	94.98	ug/l	99
59) 2-Hexanone	10.75	43	689402	93.27	ug/l	97
60) Dibromochloromethane	10.90	129	284751	18.86	ug/l	99
61) 1,2-Dibromoethane	11.01	107	242703	19.35	ug/l	98
64) Tetrachloroethene	10.63	164	260055	19.04	ug/l	99
65) Chlorobenzene	11.44	112	742620	18.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	288980	19.60	ug/l	99
67) Ethyl Benzene	11.51	91	1206889	18.80	ug/l	100
68) m/p-Xylenes	11.62	106	940966	39.06	ug/l	99
69) o-Xylene	11.95	106	449222	19.30	ug/l	99
70) Styrene	11.97	104	731902	19.80	ug/l	99
71) Bromoform	12.13	173	193028	19.37	ug/l #	98
73) Isopropylbenzene	12.25	105	1203293	19.56	ug/l	100
74) N-amyl acetate	12.07	43	312109	19.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	314096	21.01	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	236507m	17.98	ug/l	
77) Bromobenzene	12.53	156	319180	19.55	ug/l	98
78) n-propylbenzene	12.59	91	1375140	19.82	ug/l	100
79) 2-Chlorotoluene	12.68	91	853974	20.11	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	985314	20.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70418	17.29	ug/l	96
82) 4-Chlorotoluene	12.77	91	841099	19.97	ug/l	99
83) tert-Butylbenzene	12.99	119	861159	19.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1006009	20.52	ug/l	100
85) sec-Butylbenzene	13.17	105	1163950	20.30	ug/l	100
86) p-Isopropyltoluene	13.29	119	976944	20.14	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	549745	19.43	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	533749	19.40	ug/l	99
89) n-Butylbenzene	13.62	91	754137	18.83	ug/l	99
90) Hexachloroethane	13.88	117	196847	20.47	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	554531	20.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42733	19.35	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	247531	18.26	ug/l	100
94) Hexachlorobutadiene	15.01	225	172359	19.74	ug/l	98
95) Naphthalene	15.14	128	481573	17.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	256448	19.15	ug/l	99

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

