

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050033.D
 Acq On : 24 Jul 2018 20:28
 Operator : MD\SY
 Sample : VN0724WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:30 PM

Quant Time: Jul 25 01:24:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	382520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	581970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	521370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267829	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424884	79.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.22%	
35) Dibromofluoromethane	7.60	113	369981	77.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.72%	
50) Toluene-d8	10.09	98	1363669	78.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.12%	
62) 4-Bromofluorobenzene	12.40	95	444667	77.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	191498	34.84	ug/l	96
3) Chloromethane	2.06	50	195639	32.75	ug/l	99
4) Vinyl Chloride	2.18	62	202705	32.22	ug/l	97
5) Bromomethane	2.56	94	115411	32.69	ug/l	98
6) Chloroethane	2.70	64	119522	31.63	ug/l	96
7) Trichlorofluoromethane	3.01	101	260603	31.97	ug/l	99
8) Diethyl Ether	3.41	74	87003	32.02	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151176	30.85	ug/l	98
10) Methyl Iodide	3.95	142	196440	31.23	ug/l	99
11) Tert butyl alcohol	4.81	59	69176	176.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	139731	31.69	ug/l	98
13) Acrolein	3.61	56	50489	160.03	ug/l	97
14) Allyl chloride	4.33	41	215871	31.58	ug/l	99
15) Acrylonitrile	4.99	53	293505	171.31	ug/l	100
16) Acetone	3.83	43	219525	173.29	ug/l	100
17) Carbon Disulfide	4.05	76	416945	30.87	ug/l	99
18) Methyl Acetate	4.33	43	187802	38.02	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	394211	33.55	ug/l	99
20) Methylene Chloride	4.55	84	162696	33.98	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	149371	31.97	ug/l	98
22) Diisopropyl ether	5.96	45	458043	33.79	ug/l	96
23) Vinyl Acetate	5.90	43	1619710	169.09	ug/l	100
24) 1,1-Dichloroethane	5.85	63	282576	31.88	ug/l	100
25) 2-Butanone	6.85	43	351037	172.44	ug/l	97
26) 2,2-Dichloropropane	6.83	77	187972	27.88	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161782	32.17	ug/l	99
28) Bromochloromethane	7.20	49	129895	32.13	ug/l	98
29) Tetrahydrofuran	7.22	42	229755	174.66	ug/l	100
30) Chloroform	7.37	83	288415	31.89	ug/l	100
31) Cyclohexane	7.66	56	231303	31.44	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	245152	31.69	ug/l	99
36) 1,1-Dichloropropene	7.80	75	205623	31.36	ug/l	100
37) Ethyl Acetate	6.94	43	152461	33.35	ug/l	99
38) Carbon Tetrachloride	7.78	117	215402	30.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	205631	30.49	ug/l	98
40) Benzene	8.05	78	641937	32.17	ug/l	98
41) Methacrylonitrile	7.18	41	77556	33.53	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	213451	32.07	ug/l	99
43) Isopropyl Acetate	8.17	43	348474	40.23	ug/l #	92
44) Trichloroethene	8.84	130	166088	30.98	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170881	32.34	ug/l	97
46) Dibromomethane	9.21	93	107497	32.76	ug/l	100
47) Bromodichloromethane	9.41	83	214048	30.91	ug/l	99
48) Methyl methacrylate	9.20	41	130394	33.12	ug/l	96
49) 1,4-Dioxane	9.20	88	37824	705.96	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	784335	174.53	ug/l	98
52) Toluene	10.16	92	391574	33.25	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	208917	31.97	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	236453	31.66	ug/l	100
55) 1,1,2-Trichloroethane	10.57	97	152155	32.57	ug/l	99
56) Ethyl methacrylate	10.43	69	184646	30.02	ug/l	100
57) 1,3-Dichloropropane	10.71	76	252117	33.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	428333	148.47	ug/l	99
59) 2-Hexanone	10.76	43	526219	161.23	ug/l	99
60) Dibromochloromethane	10.90	129	170032	32.88	ug/l	99
61) 1,2-Dibromoethane	11.01	107	148501	32.04	ug/l	97
64) Tetrachloroethene	10.63	164	157808	31.48	ug/l	98
65) Chlorobenzene	11.44	112	417074	31.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161781	31.97	ug/l	100
67) Ethyl Benzene	11.52	91	678580	32.08	ug/l	100
68) m/p-Xylenes	11.62	106	537747	67.20	ug/l	99
69) o-Xylene	11.95	106	257664	33.78	ug/l	99
70) Styrene	11.97	104	411065	30.66	ug/l	99
71) Bromoform	12.13	173	118898	32.30	ug/l #	99
73) Isopropylbenzene	12.25	105	684989	32.98	ug/l	100
74) N-amyl acetate	12.07	43	208442	32.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	202194	35.95	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	166568m	33.46	ug/l	
77) Bromobenzene	12.53	156	187078	32.50	ug/l	98
78) n-propylbenzene	12.59	91	775651	33.41	ug/l	99
79) 2-Chlorotoluene	12.68	91	477154	33.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	566397	34.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50289	32.05	ug/l	96
82) 4-Chlorotoluene	12.78	91	474480	33.30	ug/l	99
83) tert-Butylbenzene	13.00	119	474831	33.30	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	576677	35.02	ug/l	99
85) sec-Butylbenzene	13.17	105	646029	33.91	ug/l	99
86) p-Isopropyltoluene	13.29	119	545919	34.01	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	307535	31.51	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	295795	31.10	ug/l	99
89) n-Butylbenzene	13.62	91	416970	31.59	ug/l	99
90) Hexachloroethane	13.88	117	106415	29.85	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	309688	31.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31756	34.05	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137266	27.98	ug/l	98
94) Hexachlorobutadiene	15.01	225	92200	30.87	ug/l	99
95) Naphthalene	15.14	128	317521	28.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145569	29.82	ug/l	100

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

