

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051723.D
 Acq On : 8 Oct 2018 10:02
 Operator : MD\SY
 Sample : VN1008WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:37 AM

Quant Time: Oct 09 04:21:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	553243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	844726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387975	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	363969	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	320627	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.09	98	1198152	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.40	95	377521	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149094	22.202	ug/l	99
3) Chloromethane	2.06	50	139945	22.165	ug/l	97
4) Vinyl Chloride	2.18	62	210610	21.176	ug/l	99
5) Bromomethane	2.57	94	158716	20.751	ug/l	98
6) Chloroethane	2.70	64	139701	20.900	ug/l	96
7) Trichlorofluoromethane	3.01	101	234867	21.924	ug/l	98
8) Diethyl Ether	3.41	74	62773	21.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	120723	21.839	ug/l	99
10) Methyl Iodide	3.95	142	130405	19.346	ug/l	99
11) Tert butyl alcohol	4.79	59	53746	108.206	ug/l	97
12) 1,1-Dichloroethene	3.73	96	111338	21.610	ug/l	96
13) Acrolein	3.61	56	30480	98.223	ug/l	95
14) Allyl chloride	4.32	41	160355	20.406	ug/l	99
15) Acrylonitrile	5.00	53	176251	102.829	ug/l	98
16) Acetone	3.82	43	138523	102.016	ug/l	99
17) Carbon Disulfide	4.05	76	303862	19.403	ug/l	100
18) Methyl Acetate	4.33	43	94093	23.325	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	349013	20.523	ug/l	98
20) Methylene Chloride	4.55	84	123450	20.530	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	120559	19.747	ug/l	95
22) Diisopropyl ether	5.96	45	335715	19.930	ug/l	98
23) Vinyl Acetate	5.90	43	1240115	100.126	ug/l	100
24) 1,1-Dichloroethane	5.85	63	219545	20.266	ug/l	98
25) 2-Butanone	6.84	43	219242	103.884	ug/l	100
26) 2,2-Dichloropropane	6.83	77	210597	19.399	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	143400	20.233	ug/l	97
28) Bromochloromethane	7.20	49	94640	19.733	ug/l	99
29) Tetrahydrofuran	7.22	42	140845	108.751	ug/l	99
30) Chloroform	7.37	83	240421	19.752	ug/l	90
31) Cyclohexane	7.65	56	191552	19.307	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	232108	19.673	ug/l	100
36) 1,1-Dichloropropene	7.80	75	170979	19.365	ug/l	98
37) Ethyl Acetate	6.94	43	99320	21.568	ug/l	97
38) Carbon Tetrachloride	7.78	117	209210	19.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213992	19.307	ug/l	99
40) Benzene	8.04	78	518943	19.826	ug/l	99
41) Methacrylonitrile	7.19	41	55746m	23.335	ug/l	
42) 1,2-Dichloroethane	8.13	62	176933	20.058	ug/l	100
43) Isopropyl Acetate	8.17	43	200765	20.911	ug/l	98
44) Trichloroethene	8.84	130	149241	20.081	ug/l	99
45) 1,2-Dichloropropane	9.12	63	127801	19.748	ug/l	99
46) Dibromomethane	9.21	93	91006	20.232	ug/l	99
47) Bromodichloromethane	9.40	83	193024	19.493	ug/l	99
48) Methyl methacrylate	9.20	41	88523	20.178	ug/l	98
49) 1,4-Dioxane	9.20	88	27599	419.538	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	529124	108.758	ug/l	98
52) Toluene	10.16	92	338588	19.449	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	194591	19.045	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	209204	19.281	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125360	20.214	ug/l	99
56) Ethyl methacrylate	10.43	69	154511	19.701	ug/l	96
57) 1,3-Dichloropropane	10.71	76	198642	20.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	313618	96.622	ug/l	98
59) 2-Hexanone	10.75	43	343865	104.073	ug/l	97
60) Dibromochloromethane	10.90	129	156410	19.272	ug/l	100
61) 1,2-Dibromoethane	11.01	107	126729	19.330	ug/l	97
64) Tetrachloroethene	10.63	164	138215	20.375	ug/l	98
65) Chlorobenzene	11.44	112	375477	19.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	148641	19.495	ug/l	97
67) Ethyl Benzene	11.51	91	652668	19.830	ug/l	100
68) m/p-Xylenes	11.62	106	512764	38.936	ug/l	99
69) o-Xylene	11.95	106	255512	19.784	ug/l	99
70) Styrene	11.97	104	392401	19.067	ug/l	99
71) Bromoform	12.13	173	106324	18.748	ug/l #	99
73) Isopropylbenzene	12.25	105	668690	20.219	ug/l	100
74) N-amyl acetate	12.07	43	154851	20.733	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	150066	21.171	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	142295m	27.686	ug/l	
77) Bromobenzene	12.53	156	159640	19.741	ug/l	99
78) n-propylbenzene	12.59	91	725540	20.113	ug/l	99
79) 2-Chlorotoluene	12.67	91	425463	20.013	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	558923	20.054	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39102	18.526	ug/l	92
82) 4-Chlorotoluene	12.77	91	413140	19.345	ug/l	99
83) tert-Butylbenzene	12.99	119	509403	20.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	569244	20.390	ug/l	100
85) sec-Butylbenzene	13.17	105	677196	20.499	ug/l	99
86) p-Isopropyltoluene	13.29	119	587363	20.056	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	278795	19.785	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	268062	19.327	ug/l	99
89) n-Butylbenzene	13.62	91	454325	19.621	ug/l	99
90) Hexachloroethane	13.88	117	116000	19.853	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	278627	19.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23744	20.437	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	112986	18.126	ug/l	99
94) Hexachlorobutadiene	15.01	225	84985	20.095	ug/l	99
95) Naphthalene	15.13	128	241255	17.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	117663	19.167	ug/l	99

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

