

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052722.D
 Acq On : 7 Dec 2018 13:12
 Operator : MD\SY
 Sample : VN1207WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:41 PM

Quant Time: Dec 07 22:39:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	908749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1432384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1260176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	552388	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	501945	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	450947	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.09	98	1699504	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	567524	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	146415	17.207	ug/l 99
3) Chloromethane	2.06	50	193303	17.210	ug/l 99
4) Vinyl Chloride	2.19	62	203944	17.676	ug/l 100
5) Bromomethane	2.57	94	125097	17.377	ug/l 98
6) Chloroethane	2.71	64	124905	17.872	ug/l 99
7) Trichlorofluoromethane	3.02	101	269298	19.001	ug/l 99
8) Diethyl Ether	3.41	74	104181	19.906	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	173656	19.637	ug/l 100
10) Methyl Iodide	3.96	142	236313	20.063	ug/l 100
11) Tert butyl alcohol	4.78	59	53199	107.396	ug/l # 86
12) 1,1-Dichloroethene	3.74	96	161438	18.965	ug/l 97
13) Acrolein	3.61	56	37825	43.935	ug/l 99
14) Allyl chloride	4.33	41	279376	19.042	ug/l 99
15) Acrylonitrile	4.99	53	328023	104.611	ug/l 99
16) Acetone	3.82	43	279966	107.275	ug/l 98
17) Carbon Disulfide	4.06	76	426129	15.907	ug/l 98
18) Methyl Acetate	4.33	43	162606	21.721	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	465693	20.561	ug/l 100
20) Methylene Chloride	4.55	84	195053	19.099	ug/l 99
21) trans-1,2-Dichloroethene	5.04	96	172769	19.003	ug/l 95
22) Diisopropyl ether	5.95	45	613541	19.909	ug/l 99
23) Vinyl Acetate	5.90	43	1889628	98.444	ug/l 99
24) 1,1-Dichloroethane	5.85	63	345900	19.658	ug/l 99
25) 2-Butanone	6.84	43	383802	103.755	ug/l 100
26) 2,2-Dichloropropane	6.83	77	250557	20.572	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	205549	19.409	ug/l 100
28) Bromochloromethane	7.20	49	166863	20.762	ug/l 96
29) Tetrahydrofuran	7.21	42	247414	103.698	ug/l 99
30) Chloroform	7.37	83	345588	19.686	ug/l 100
31) Cyclohexane	7.66	56	308375	17.872	ug/l 94
32) 1,1,1-Trichloroethane	7.57	97	279386	20.086	ug/l 99
36) 1,1-Dichloropropene	7.79	75	250698	18.534	ug/l 99
37) Ethyl Acetate	6.93	43	163267	19.778	ug/l 99
38) Carbon Tetrachloride	7.77	117	236281	19.296	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	295221	17.957	ug/l	99
40) Benzene	8.04	78	772624	19.166	ug/l	99
41) Methacrylonitrile	7.18	41	89581	19.849	ug/l	93
42) 1,2-Dichloroethane	8.13	62	245674	20.128	ug/l	98
43) Isopropyl Acetate	8.17	43	289967	20.756	ug/l #	88
44) Trichloroethene	8.83	130	201816	19.545	ug/l	99
45) 1,2-Dichloropropane	9.12	63	212458	19.824	ug/l	99
46) Dibromomethane	9.21	93	119407	20.126	ug/l	99
47) Bromodichloromethane	9.40	83	256205	19.862	ug/l	99
48) Methyl methacrylate	9.20	41	144628	19.854	ug/l	99
49) 1,4-Dioxane	9.20	88	31677	419.011	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	826884	105.494	ug/l	100
52) Toluene	10.16	92	463632	19.358	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	248340	20.012	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	298809	20.094	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173806	20.630	ug/l	99
56) Ethyl methacrylate	10.43	69	215597	20.130	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298066	20.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	620711	101.536	ug/l	98
59) 2-Hexanone	10.75	43	552875	105.097	ug/l	99
60) Dibromochloromethane	10.90	129	189215	20.679	ug/l	99
61) 1,2-Dibromoethane	11.01	107	169724	20.284	ug/l	99
64) Tetrachloroethene	10.63	164	199436	20.412	ug/l	99
65) Chlorobenzene	11.43	112	513648	19.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	184202	20.388	ug/l	99
67) Ethyl Benzene	11.51	91	894022	19.647	ug/l	100
68) m/p-Xylenes	11.62	106	673196	39.740	ug/l	99
69) o-Xylene	11.95	106	328584	19.975	ug/l	99
70) Styrene	11.96	104	526527	20.096	ug/l	99
71) Bromoform	12.13	173	125570	20.990	ug/l #	99
73) Isopropylbenzene	12.25	105	872041	20.122	ug/l	99
74) N-amyl acetate	12.07	43	220641	20.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	210723	21.375	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	171068m	20.083	ug/l	
77) Bromobenzene	12.53	156	220174	20.554	ug/l	99
78) n-propylbenzene	12.59	91	995730	20.224	ug/l	99
79) 2-Chlorotoluene	12.67	91	591001	20.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	708270	20.491	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52386	20.538	ug/l	97
82) 4-Chlorotoluene	12.77	91	591317	20.011	ug/l	100
83) tert-Butylbenzene	12.99	119	631752	20.502	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	708704	20.460	ug/l	99
85) sec-Butylbenzene	13.17	105	847980	20.205	ug/l	100
86) p-Isopropyltoluene	13.29	119	728061	20.367	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	377797	20.162	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	367137	19.892	ug/l	99
89) n-Butylbenzene	13.62	91	575903	19.372	ug/l	99
90) Hexachloroethane	13.88	117	124263	20.530	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	370561	20.700	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30346	21.522	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	175294	19.693	ug/l	99
94) Hexachlorobutadiene	15.01	225	118449	20.567	ug/l	99
95) Naphthalene	15.13	128	358572	19.488	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	167191	20.258	ug/l	99

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

