

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053072.D
 Acq On : 20 Dec 2018 23:02
 Operator : MD\SY
 Sample : VN1220WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:30 AM

Quant Time: Dec 21 02:47:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1001180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1557189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1320387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	576609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	547782	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.84%	
35) Dibromofluoromethane	7.59	113	420655	59.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.28%	
50) Toluene-d8	10.09	98	1909063	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	622025	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	191659	18.915	ug/l	99
3) Chloromethane	2.06	50	227985	18.567	ug/l	100
4) Vinyl Chloride	2.19	62	244667	19.675	ug/l	99
5) Bromomethane	2.58	94	166027	19.270	ug/l	96
6) Chloroethane	2.72	64	149006	20.232	ug/l	97
7) Trichlorofluoromethane	3.03	101	324801	20.966	ug/l	99
8) Diethyl Ether	3.42	74	125743	21.516	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199774	20.226	ug/l	98
10) Methyl Iodide	3.96	142	275927	19.893	ug/l	100
11) Tert butyl alcohol	4.78	59	61775	99.649	ug/l	100
12) 1,1-Dichloroethene	3.74	96	198686	20.821	ug/l	97
13) Acrolein	3.61	56	64671	115.050	ug/l	96
14) Allyl chloride	4.33	41	304808	20.621	ug/l	99
15) Acrylonitrile	4.99	53	352587	102.377	ug/l	99
16) Acetone	3.82	43	218051	109.459	ug/l	94
17) Carbon Disulfide	4.06	76	554829	17.828	ug/l	99
18) Methyl Acetate	4.33	43	181153	20.630	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	547515	21.440	ug/l	98
20) Methylene Chloride	4.56	84	221477	20.382	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	209758	20.459	ug/l	100
22) Diisopropyl ether	5.96	45	687051	21.776	ug/l	97
23) Vinyl Acetate	5.90	43	1974721	108.845	ug/l	98
24) 1,1-Dichloroethane	5.86	63	400117	21.342	ug/l	98
25) 2-Butanone	6.84	43	357971	107.075	ug/l	95
26) 2,2-Dichloropropane	6.83	77	271231	18.952	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	244566	21.070	ug/l	99
28) Bromochloromethane	7.20	49	167221	20.584	ug/l	96
29) Tetrahydrofuran	7.21	42	257680	103.199	ug/l	97
30) Chloroform	7.37	83	392716	21.323	ug/l	99
31) Cyclohexane	7.66	56	368615	20.340	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325717	20.761	ug/l	99
36) 1,1-Dichloropropene	7.80	75	299307	20.025	ug/l	99
37) Ethyl Acetate	6.93	43	176704	21.178	ug/l	99
38) Carbon Tetrachloride	7.78	117	276129	20.156	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336780	18.548	ug/l	100
40) Benzene	8.04	78	908203	20.429	ug/l	99
41) Methacrylonitrile	7.18	41	105272	21.836	ug/l	95
42) 1,2-Dichloroethane	8.13	62	270861	20.624	ug/l	99
43) Isopropyl Acetate	8.17	43	335334	20.144	ug/l	99
44) Trichloroethene	8.84	130	250507	19.481	ug/l	97
45) 1,2-Dichloropropane	9.12	63	242707	20.959	ug/l	98
46) Dibromomethane	9.21	93	137827	20.432	ug/l	98
47) Bromodichloromethane	9.40	83	289446	20.185	ug/l	98
48) Methyl methacrylate	9.20	41	159614	19.714	ug/l	98
49) 1,4-Dioxane	9.20	88	35933	350.847	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	834083	103.224	ug/l	100
52) Toluene	10.16	92	546755	19.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	282106	18.709	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	343501	19.847	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	196769	20.468	ug/l	99
56) Ethyl methacrylate	10.43	69	253979	19.960	ug/l	97
57) 1,3-Dichloropropane	10.71	76	336637	20.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	713223	102.099	ug/l	98
59) 2-Hexanone	10.75	43	534415	97.753	ug/l	99
60) Dibromochloromethane	10.90	129	211099	19.183	ug/l	100
61) 1,2-Dibromoethane	11.01	107	190527	19.514	ug/l	100
64) Tetrachloroethene	10.63	164	272545	19.055	ug/l	99
65) Chlorobenzene	11.44	112	592544	20.245	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	210935	20.724	ug/l	99
67) Ethyl Benzene	11.51	91	1011305	20.091	ug/l	100
68) m/p-Xylenes	11.62	106	757478	39.585	ug/l	99
69) o-Xylene	11.95	106	370430	20.174	ug/l	100
70) Styrene	11.96	104	599654	20.028	ug/l	99
71) Bromoform	12.13	173	135552	18.435	ug/l #	99
73) Isopropylbenzene	12.25	105	976699	21.649	ug/l	99
74) N-amyl acetate	12.07	43	265247	21.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206221	23.300	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	181192m	18.667	ug/l	
77) Bromobenzene	12.53	156	244421	20.842	ug/l	98
78) n-propylbenzene	12.59	91	1072276	20.869	ug/l	100
79) 2-Chlorotoluene	12.68	91	644356	20.232	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	760855	20.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55664	18.483	ug/l	99
82) 4-Chlorotoluene	12.77	91	639944	20.526	ug/l	99
83) tert-Butylbenzene	12.99	119	672770	20.687	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	765307	20.703	ug/l	100
85) sec-Butylbenzene	13.17	105	874086	19.871	ug/l	100
86) p-Isopropyltoluene	13.29	119	752206	19.790	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415000	19.994	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	407156	19.371	ug/l	99
89) n-Butylbenzene	13.62	91	584522	17.875	ug/l	100
90) Hexachloroethane	13.88	117	110210	18.894	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	395035	20.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29505	19.280	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	194554	19.171	ug/l	99
94) Hexachlorobutadiene	15.01	225	116547	20.028	ug/l	100
95) Naphthalene	15.13	128	407837	18.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	179843	19.609	ug/l	100

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

