

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051842.D
 Acq On : 12 Oct 2018 19:56
 Operator : MD\SY
 Sample : VN1012WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:05 AM

Quant Time: Oct 13 02:19:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	826621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1230679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1089666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	466325	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	379948	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	7.59	113	373439	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1354534	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
62) 4-Bromofluorobenzene	12.40	95	430843	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	95654	20.85	ug/l	97
3) Chloromethane	2.06	50	106002	19.07	ug/l	100
4) Vinyl Chloride	2.18	62	154286	18.51	ug/l	100
5) Bromomethane	2.57	94	144122	19.16	ug/l	98
6) Chloroethane	2.70	64	115279	18.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	236331	19.09	ug/l	100
8) Diethyl Ether	3.41	74	70105	20.54	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135017	20.45	ug/l	98
10) Methyl Iodide	3.95	142	174996	20.12	ug/l	96
11) Tert butyl alcohol	4.79	59	41863	72.05	ug/l	96
12) 1,1-Dichloroethene	3.74	96	124287	20.95	ug/l	90
13) Acrolein	3.61	56	45935	88.14	ug/l	99
14) Allyl chloride	4.33	41	139226	18.69	ug/l #	74
15) Acrylonitrile	5.00	53	171124	90.47	ug/l	99
16) Acetone	3.82	43	117841	69.16	ug/l	100
17) Carbon Disulfide	4.05	76	291173	18.13	ug/l	100
18) Methyl Acetate	4.33	43	79561	17.08	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	359569	19.25	ug/l	91
20) Methylene Chloride	4.55	84	143779	20.39	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	143736	20.63	ug/l	85
22) Diisopropyl ether	5.96	45	322225	19.57	ug/l #	89
23) Vinyl Acetate	5.90	43	1092183	90.69	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	226751	20.05	ug/l	97
25) 2-Butanone	6.84	43	180977	75.16	ug/l #	85
26) 2,2-Dichloropropane	6.83	77	195772	17.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	168064	20.93	ug/l	86
28) Bromochloromethane	7.20	49	88175	18.58	ug/l #	67
29) Tetrahydrofuran	7.22	42	119434	83.23	ug/l #	79
30) Chloroform	7.37	83	275476	20.37	ug/l	97
31) Cyclohexane	7.65	56	201067	19.84	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	254787	20.07	ug/l	97
36) 1,1-Dichloropropene	7.79	75	191626	19.23	ug/l	96
37) Ethyl Acetate	6.93	43	86895	16.99	ug/l	95
38) Carbon Tetrachloride	7.78	117	228419	19.78	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	243748	19.91	ug/l #	88
40) Benzene	8.04	78	576510	20.06	ug/l	99
41) Methacrylonitrile	7.18	41	44197	17.92	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	186343	19.78	ug/l	99
43) Isopropyl Acetate	8.17	43	173695	16.64	ug/l #	95
44) Trichloroethene	8.84	130	177803	20.32	ug/l	93
45) 1,2-Dichloropropane	9.12	63	133649	19.78	ug/l	99
46) Dibromomethane	9.21	93	99652	19.22	ug/l	98
47) Bromodichloromethane	9.40	83	201271	19.42	ug/l	98
48) Methyl methacrylate	9.20	41	77782	17.07	ug/l #	76
49) 1,4-Dioxane	9.20	88	25766	322.85	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	444925	83.79	ug/l	96
52) Toluene	10.16	92	381351	19.76	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	175971	16.95	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210156	18.44	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	138929	19.14	ug/l	97
56) Ethyl methacrylate	10.43	69	150500	17.60	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	214536	19.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	322227	86.55	ug/l #	88
59) 2-Hexanone	10.75	43	274125	73.50	ug/l	96
60) Dibromochloromethane	10.90	129	156946	18.21	ug/l	99
61) 1,2-Dibromoethane	11.01	107	141700	18.95	ug/l	99
64) Tetrachloroethene	10.63	164	177965	21.29	ug/l	98
65) Chlorobenzene	11.43	112	435788	19.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159767	19.02	ug/l	99
67) Ethyl Benzene	11.51	91	725582	19.89	ug/l	97
68) m/p-Xylenes	11.62	106	575647	39.06	ug/l	96
69) o-Xylene	11.95	106	289495	20.23	ug/l	96
70) Styrene	11.96	104	424582	19.23	ug/l	99
71) Bromoform	12.13	173	92251	16.53	ug/l #	97
73) Isopropylbenzene	12.25	105	760899	21.18	ug/l	98
74) N-amyl acetate	12.07	43	125740	17.65	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	153306	19.42	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	137848m	23.73	ug/l	
77) Bromobenzene	12.53	156	186649	20.83	ug/l	88
78) n-propylbenzene	12.59	91	802012	21.31	ug/l	97
79) 2-Chlorotoluene	12.67	91	476266	21.01	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	630949	21.55	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30237	14.93	ug/l	92
82) 4-Chlorotoluene	12.77	91	456730	20.97	ug/l	98
83) tert-Butylbenzene	12.99	119	584738	21.53	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	617943	21.20	ug/l	98
85) sec-Butylbenzene	13.17	105	745654	21.19	ug/l	99
86) p-Isopropyltoluene	13.29	119	653043	21.11	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	312739	20.41	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	302680	20.38	ug/l	99
89) n-Butylbenzene	13.62	91	476628	20.72	ug/l	98
90) Hexachloroethane	13.88	117	106617	18.99	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	314146	21.22	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21586	18.58	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	119349	17.80	ug/l	99
94) Hexachlorobutadiene	15.01	225	101453	21.20	ug/l	99
95) Naphthalene	15.13	128	229462	16.58	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	127291	18.67	ug/l	98

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

