

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051809.D
 Acq On : 11 Oct 2018 11:22
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:18 PM

Quant Time: Oct 11 12:36:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 12:23:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	911738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1354945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1217851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	551811	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	174236	15.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.74%	
35) Dibromofluoromethane	7.59	113	162292	15.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.12%	
50) Toluene-d8	10.09	98	607614	15.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.16%	
62) 4-Bromofluorobenzene	12.40	95	201199	15.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	95062	7.79	ug/l	100
3) Chloromethane	2.06	50	121725	8.09	ug/l	99
4) Vinyl Chloride	2.18	62	188750	13.24	ug/l	97
5) Bromomethane	2.56	94	166862	18.18	ug/l	97
6) Chloroethane	2.70	64	137786	16.73	ug/l	99
7) Trichlorofluoromethane	3.01	101	277510	15.20	ug/l	98
8) Diethyl Ether	3.41	74	76438	12.31	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141858	12.44	ug/l	97
10) Methyl Iodide	3.95	142	179338	19.81	ug/l	95
11) Tert butyl alcohol	4.81	59	62888	89.98	ug/l	99
12) 1,1-Dichloroethene	3.73	96	130414	12.74	ug/l	92
13) Acrolein	3.61	56	67478	176.75	ug/l	94
14) Allyl chloride	4.32	41	165516	10.37	ug/l #	79
15) Acrylonitrile	4.99	53	215044	60.54	ug/l	98
16) Acetone	3.82	43	196357	66.20	ug/l	99
17) Carbon Disulfide	4.05	76	339151	9.88	ug/l	99
18) Methyl Acetate	4.34	43	101641	9.81	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	419458	16.28	ug/l	97
20) Methylene Chloride	4.55	84	151916	12.28	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	152052	13.73	ug/l	88
22) Diisopropyl ether	5.96	45	369982	11.63	ug/l #	85
23) Vinyl Acetate	5.90	43	1357333	66.28	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	248557	12.17	ug/l	96
25) 2-Butanone	6.84	43	277341	62.70	ug/l	90
26) 2,2-Dichloropropane	6.83	77	251360	15.32	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	176561	14.79	ug/l	91
28) Bromochloromethane	7.20	49	112808	13.00	ug/l #	72
29) Tetrahydrofuran	7.22	42	161557	63.70	ug/l #	81
30) Chloroform	7.37	83	297362	14.71	ug/l	100
31) Cyclohexane	7.66	56	222470	10.97	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	277520	15.98	ug/l	97
36) 1,1-Dichloropropene	7.80	75	209510	13.10	ug/l	95
37) Ethyl Acetate	6.94	43	115360	12.56	ug/l	97
38) Carbon Tetrachloride	7.78	117	245879	15.21	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263231	15.22	ug/l	91
40) Benzene	8.04	78	634829	13.17	ug/l	99
41) Methacrylonitrile	7.18	41	49644m	9.99	ug/l	
42) 1,2-Dichloroethane	8.13	62	208459	14.46	ug/l	99
43) Isopropyl Acetate	8.17	43	227569	14.41	ug/l	95
44) Trichloroethene	8.84	130	191280	15.04	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148958	11.76	ug/l	98
46) Dibromomethane	9.21	93	112450	15.10	ug/l	99
47) Bromodichloromethane	9.41	83	226161	14.50	ug/l	99
48) Methyl methacrylate	9.20	41	100141	12.44	ug/l #	78
49) 1,4-Dioxane	9.20	88	35352m	322.22	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	607255	64.44	ug/l	98
52) Toluene	10.16	92	421277	14.75	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	223746	14.41	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	250392	14.09	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	158248	14.93	ug/l	97
56) Ethyl methacrylate	10.43	69	191179	15.90	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	247449	14.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	401438	78.20	ug/l	91
59) 2-Hexanone	10.75	43	418308	66.68	ug/l	97
60) Dibromochloromethane	10.90	129	184880	15.58	ug/l	97
61) 1,2-Dibromoethane	11.01	107	165122	16.11	ug/l	98
64) Tetrachloroethene	10.63	164	184653	15.96	ug/l	98
65) Chlorobenzene	11.44	112	480411	15.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184279	15.82	ug/l	99
67) Ethyl Benzene	11.51	91	816943	15.79	ug/l	97
68) m/p-Xylenes	11.62	106	652899	33.24	ug/l	96
69) o-Xylene	11.95	106	320898	16.99	ug/l	95
70) Styrene	11.97	104	484531	16.41	ug/l	99
71) Bromoform	12.13	173	120446	15.04	ug/l	99
73) Isopropylbenzene	12.25	105	849088	18.58	ug/l	100
74) N-amyl acetate	12.07	43	175887	15.32	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	189576	15.40	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	151740m	15.70	ug/l	
77) Bromobenzene	12.53	156	205285	16.53	ug/l	92
78) n-propylbenzene	12.59	91	900351	17.64	ug/l	97
79) 2-Chlorotoluene	12.68	91	526992	16.58	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	695231	18.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47559	16.63	ug/l	96
82) 4-Chlorotoluene	12.77	91	516498	16.46	ug/l	97
83) tert-Butylbenzene	12.99	119	632395	19.81	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	705889	19.03	ug/l	99
85) sec-Butylbenzene	13.17	105	827148	19.77	ug/l	99
86) p-Isopropyltoluene	13.29	119	722829	20.28	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	356335	16.91	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	348295	16.79	ug/l	99
89) n-Butylbenzene	13.62	91	552699	19.38	ug/l	98
90) Hexachloroethane	13.88	117	124895	16.93	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	352569	17.34	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28052	17.09	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147633	16.68	ug/l	97
94) Hexachlorobutadiene	15.01	225	112338	16.95	ug/l	99
95) Naphthalene	15.14	128	310503	17.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	156490	18.16	ug/l	98

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

