

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051841.D
 Acq On : 12 Oct 2018 19:32
 Operator : MD\SY
 Sample : VN1012WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:04 AM

Quant Time: Oct 13 02:18:16 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	813864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1228576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1070418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	453424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	377424	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.59	113	372803	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1336635	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.40	95	419114	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82680	18.30	ug/l	99
3) Chloromethane	2.06	50	94171	17.21	ug/l	100
4) Vinyl Chloride	2.19	62	137637	16.77	ug/l	98
5) Bromomethane	2.57	94	134193	18.12	ug/l	99
6) Chloroethane	2.71	64	107638	17.86	ug/l	96
7) Trichlorofluoromethane	3.01	101	205065	16.83	ug/l	98
8) Diethyl Ether	3.41	74	61667	18.35	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123539	19.01	ug/l	98
10) Methyl Iodide	3.95	142	146622	17.12	ug/l	95
11) Tert butyl alcohol	4.79	59	37065	64.79	ug/l	95
12) 1,1-Dichloroethene	3.74	96	111062	19.01	ug/l	91
13) Acrolein	3.61	56	42752	84.19	ug/l	99
14) Allyl chloride	4.33	41	123341	16.82	ug/l #	72
15) Acrylonitrile	5.00	53	151498	81.35	ug/l	98
16) Acetone	3.82	43	104627	62.37	ug/l	100
17) Carbon Disulfide	4.06	76	256102	16.20	ug/l	98
18) Methyl Acetate	4.33	43	72504	15.72	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	323182	17.57	ug/l	94
20) Methylene Chloride	4.56	84	128917	18.57	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	124632	18.17	ug/l	89
22) Diisopropyl ether	5.95	45	292609	18.05	ug/l #	85
23) Vinyl Acetate	5.90	43	986500	83.20	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	206281	18.53	ug/l	97
25) 2-Butanone	6.84	43	160393	67.66	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	179864	15.95	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	149026	18.85	ug/l	88
28) Bromochloromethane	7.20	49	86316	18.48	ug/l #	64
29) Tetrahydrofuran	7.22	42	112252	79.46	ug/l #	83
30) Chloroform	7.37	83	246231	18.50	ug/l	100
31) Cyclohexane	7.66	56	179367	17.74	ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	227614	18.21	ug/l	97
36) 1,1-Dichloropropene	7.80	75	171824	17.28	ug/l	95
37) Ethyl Acetate	6.94	43	76729	15.03	ug/l #	92
38) Carbon Tetrachloride	7.78	117	205210	17.80	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210106	17.20	ug/l	89
40) Benzene	8.04	78	523008	18.23	ug/l	100
41) Methacrylonitrile	7.18	41	43995	17.87	ug/l	90
42) 1,2-Dichloroethane	8.13	62	166449	17.70	ug/l	98
43) Isopropyl Acetate	8.17	43	152340	14.55	ug/l #	97
44) Trichloroethene	8.84	130	159814	18.30	ug/l	92
45) 1,2-Dichloropropane	9.12	63	121885	18.07	ug/l	99
46) Dibromomethane	9.21	93	88001	17.00	ug/l	99
47) Bromodichloromethane	9.40	83	177301	17.14	ug/l	99
48) Methyl methacrylate	9.20	41	70205	15.43	ug/l #	74
49) 1,4-Dioxane	9.20	88	24835	313.35	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	404055	76.22	ug/l	97
52) Toluene	10.16	92	339719	17.63	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	160758	15.51	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	186403	16.38	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	127315	17.57	ug/l	93
56) Ethyl methacrylate	10.43	69	135159	15.84	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	190011	16.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	315700	84.95	ug/l #	87
59) 2-Hexanone	10.75	43	247617	66.51	ug/l	96
60) Dibromochloromethane	10.90	129	139909	16.26	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127867	17.13	ug/l	98
64) Tetrachloroethene	10.63	164	158922	19.36	ug/l	97
65) Chlorobenzene	11.43	112	391415	18.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147734	17.91	ug/l	97
67) Ethyl Benzene	11.51	91	648097	18.08	ug/l	98
68) m/p-Xylenes	11.62	106	511080	35.31	ug/l	98
69) o-Xylene	11.95	106	254231	18.08	ug/l	96
70) Styrene	11.96	104	378597	17.46	ug/l	99
71) Bromoform	12.13	173	84104	15.60	ug/l #	100
73) Isopropylbenzene	12.25	105	678731	19.43	ug/l	99
74) N-amyl acetate	12.07	43	113841	16.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	136972	17.85	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	110067m	19.40	ug/l	
77) Bromobenzene	12.53	156	163583	18.78	ug/l	88
78) n-propylbenzene	12.59	91	695466	19.01	ug/l	97
79) 2-Chlorotoluene	12.67	91	427800	19.41	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	551444	19.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27600	14.02	ug/l	94
82) 4-Chlorotoluene	12.77	91	411045	19.41	ug/l	98
83) tert-Butylbenzene	12.99	119	515699	19.53	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	549613	19.39	ug/l	100
85) sec-Butylbenzene	13.17	105	650563	19.02	ug/l	98
86) p-Isopropyltoluene	13.29	119	560923	18.65	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275843	18.51	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	259851	17.99	ug/l	99
89) n-Butylbenzene	13.62	91	406831	18.19	ug/l	98
90) Hexachloroethane	13.87	117	90741	16.62	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	272060	18.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18281	16.18	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	97243	15.51	ug/l	98
94) Hexachlorobutadiene	15.01	225	84415	18.14	ug/l	99
95) Naphthalene	15.13	128	185525	14.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	105564	16.34	ug/l	100

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

