

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	592725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	862794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	775712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405760	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	375622	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.09	98	1396837	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.40	95	441566	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	141142	21.12	ug/l	98
3) Chloromethane	2.06	50	181387	22.00	ug/l	99
4) Vinyl Chloride	2.18	62	187328	21.10	ug/l	99
5) Bromomethane	2.56	94	100297	19.76	ug/l	99
6) Chloroethane	2.70	64	114794	22.40	ug/l	96
7) Trichlorofluoromethane	3.01	101	246055	21.13	ug/l	100
8) Diethyl Ether	3.41	74	84427	21.79	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151578	21.52	ug/l	100
10) Methyl Iodide	3.95	142	98377	23.87	ug/l	99
11) Tert butyl alcohol	4.80	59	48385	118.60	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	136349	21.20	ug/l	99
13) Acrolein	3.61	56	17933	109.75	ug/l	99
14) Allyl chloride	4.33	41	215393	21.53	ug/l	100
15) Acrylonitrile	4.99	53	248347	110.84	ug/l	99
16) Acetone	3.82	43	220155	117.24	ug/l	99
17) Carbon Disulfide	4.05	76	428734	21.18	ug/l	98
18) Methyl Acetate	4.33	43	120774	22.47	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	366645	22.40	ug/l	98
20) Methylene Chloride	4.55	84	162000	22.10	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151363	21.71	ug/l	98
22) Diisopropyl ether	5.96	45	472623	23.04	ug/l	95
23) Vinyl Acetate	5.90	43	1543147	115.01	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283119	21.33	ug/l	98
25) 2-Butanone	6.84	43	347164	113.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	214813	24.18	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	167889	21.62	ug/l	98
28) Bromochloromethane	7.20	49	137305	22.73	ug/l	100
29) Tetrahydrofuran	7.22	42	188651	117.95	ug/l	100
30) Chloroform	7.37	83	287799	21.40	ug/l	98
31) Cyclohexane	7.66	56	248400	21.74	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	242644	21.43	ug/l	99
36) 1,1-Dichloropropene	7.80	75	210260	21.89	ug/l	99
37) Ethyl Acetate	6.94	43	126247	23.25	ug/l	99
38) Carbon Tetrachloride	7.77	117	215358	21.61	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224715	22.60	ug/l	99
40) Benzene	8.04	78	659193	22.56	ug/l	100
41) Methacrylonitrile	7.17	41	66082	22.51	ug/l	96
42) 1,2-Dichloroethane	8.13	62	200116	22.35	ug/l	99
43) Isopropyl Acetate	8.17	43	219588	22.19	ug/l #	86
44) Trichloroethene	8.84	130	169181	21.62	ug/l	99
45) 1,2-Dichloropropane	9.12	63	171531	22.05	ug/l	100
46) Dibromomethane	9.21	93	102131	22.24	ug/l	97
47) Bromodichloromethane	9.40	83	213518	21.75	ug/l	98
48) Methyl methacrylate	9.20	41	110128	22.12	ug/l	100
49) 1,4-Dioxane	9.20	88	30507	465.16	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	800367	119.61	ug/l	99
52) Toluene	10.16	92	398891	22.87	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	201233	22.01	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	240674	22.94	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144639	22.19	ug/l	98
56) Ethyl methacrylate	10.43	69	170291	21.61	ug/l	100
57) 1,3-Dichloropropane	10.71	76	239928	22.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	394852	105.43	ug/l	100
59) 2-Hexanone	10.75	43	511013	118.33	ug/l	99
60) Dibromochloromethane	10.90	129	158528	22.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	139296	22.44	ug/l	99
64) Tetrachloroethene	10.63	164	157767	21.90	ug/l	99
65) Chlorobenzene	11.43	112	422278	21.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159310	22.01	ug/l	99
67) Ethyl Benzene	11.51	91	696615	22.35	ug/l	100
68) m/p-Xylenes	11.62	106	547387	45.91	ug/l	100
69) o-Xylene	11.95	106	258847	22.77	ug/l	100
70) Styrene	11.97	104	418489	21.25	ug/l	100
71) Bromoform	12.13	173	108241	22.56	ug/l #	99
73) Isopropylbenzene	12.25	105	678503	22.44	ug/l	99
74) N-amyl acetate	12.07	43	174692	22.20	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	176101	23.87	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146002m	22.79	ug/l	
77) Bromobenzene	12.53	156	177780	21.65	ug/l	100
78) n-propylbenzene	12.59	91	766481	22.73	ug/l	99
79) 2-Chlorotoluene	12.67	91	470243	22.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	561711	23.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39635	22.76	ug/l	96
82) 4-Chlorotoluene	12.77	91	466908	22.47	ug/l	99
83) tert-Butylbenzene	12.99	119	476367	22.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	571459	23.51	ug/l	99
85) sec-Butylbenzene	13.17	105	624638	22.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	529999	22.77	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304359	21.77	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292865	21.11	ug/l	100
89) n-Butylbenzene	13.62	91	405502	21.58	ug/l	98
90) Hexachloroethane	13.88	117	97310	20.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	294112	21.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24404	22.62	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126195	19.74	ug/l	99
94) Hexachlorobutadiene	15.01	225	88371	21.14	ug/l	99
95) Naphthalene	15.13	128	251570	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	125723	20.42	ug/l	99

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

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