

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052305.D
 Acq On : 14 Nov 2018 10:57
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:09 PM

Quant Time: Nov 15 02:49:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 02:30:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	249255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	433400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	18037	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
35) Dibromofluoromethane	7.59	113	13209	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.09	98	53807	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	16247	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	12039	4.558	ug/l	93
3) Chloromethane	2.06	50	18310	4.988	ug/l	97
4) Vinyl Chloride	2.19	62	16398	5.168	ug/l	98
5) Bromomethane	2.57	94	10261	5.187	ug/l	100
6) Chloroethane	2.71	64	9863	5.498	ug/l	99
7) Trichlorofluoromethane	3.02	101	22914	5.219	ug/l	98
8) Diethyl Ether	3.41	74	8615	5.148	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14567	5.254	ug/l #	84
10) Methyl Iodide	3.96	142	17133	4.602	ug/l	99
11) Tert butyl alcohol	4.79	59	5073m	27.181	ug/l	
12) 1,1-Dichloroethene	3.74	96	13633	5.313	ug/l	93
13) Acrolein	3.61	56	7709	30.026	ug/l	99
14) Allyl chloride	4.33	41	26445	5.019	ug/l #	90
15) Acrylonitrile	4.99	53	27623	25.653	ug/l	96
16) Acetone	3.82	43	24572	24.928	ug/l	100
17) Carbon Disulfide	4.06	76	35414	4.813	ug/l	100
18) Methyl Acetate	4.33	43	13567	4.823	ug/l #	63
19) Methyl tert-butyl Ether	5.05	73	37819	5.129	ug/l	97
20) Methylene Chloride	4.55	84	16714	5.180	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	14818	5.575	ug/l	91
22) Diisopropyl ether	5.95	45	55165	5.077	ug/l	90
23) Vinyl Acetate	5.90	43	183014	25.097	ug/l	100
24) 1,1-Dichloroethane	5.85	63	30552	5.300	ug/l	98
25) 2-Butanone	6.84	43	37061	27.164	ug/l	99
26) 2,2-Dichloropropane	6.83	77	20534	4.845	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	17093	5.315	ug/l	99
28) Bromochloromethane	7.20	49	15647	5.279	ug/l #	97
29) Tetrahydrofuran	7.21	42	22082	24.446	ug/l	95
30) Chloroform	7.37	83	29180	5.312	ug/l	95
31) Cyclohexane	7.66	56	32661	4.887	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	24161	5.163	ug/l	99
36) 1,1-Dichloropropene	7.80	75	21378	4.921	ug/l	98
37) Ethyl Acetate	6.94	43	14396	4.337	ug/l #	93
38) Carbon Tetrachloride	7.78	117	20139	5.046	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	24671	4.975	ug/l	96
40) Benzene	8.04	78	62801	5.061	ug/l	96
41) Methacrylonitrile	7.18	41	9079	5.083	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	23541	5.320	ug/l	98
43) Isopropyl Acetate	8.16	43	30624	5.034	ug/l #	95
44) Trichloroethene	8.84	130	14855	4.860	ug/l	99
45) 1,2-Dichloropropane	9.12	63	18544	5.265	ug/l	99
46) Dibromomethane	9.21	93	10802	5.298	ug/l	97
47) Bromodichloromethane	9.40	83	20530	4.907	ug/l	99
48) Methyl methacrylate	9.20	41	14068	4.557	ug/l	97
49) 1,4-Dioxane	9.20	88	2545	107.401	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	77019	25.151	ug/l	97
52) Toluene	10.16	92	37290	5.023	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	18897	4.478	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	23164	4.816	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	13889	5.161	ug/l	97
56) Ethyl methacrylate	10.43	69	16526	4.669	ug/l	97
57) 1,3-Dichloropropane	10.71	76	23437	4.917	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	46836	23.244	ug/l	99
59) 2-Hexanone	10.75	43	52071	24.722	ug/l	100
60) Dibromochloromethane	10.90	129	13358	4.588	ug/l	99
61) 1,2-Dibromoethane	11.00	107	13706	5.113	ug/l	99
64) Tetrachloroethene	10.63	164	13996	5.144	ug/l	95
65) Chlorobenzene	11.43	112	41311	5.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	13873	5.029	ug/l	99
67) Ethyl Benzene	11.51	91	69642	4.960	ug/l	97
68) m/p-Xylenes	11.62	106	50137	9.774	ug/l	95
69) o-Xylene	11.95	106	24812	5.046	ug/l	99
70) Styrene	11.96	104	37194	4.724	ug/l	97
71) Bromoform	12.13	173	7593	4.662	ug/l #	92
73) Isopropylbenzene	12.25	105	65620	5.309	ug/l	100
74) N-amyl acetate	12.07	43	22294	5.064	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	17529	5.866	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	14668m	6.068	ug/l	
77) Bromobenzene	12.53	156	15420	5.362	ug/l	96
78) n-propylbenzene	12.59	91	75213	5.203	ug/l	99
79) 2-Chlorotoluene	12.67	91	45314	5.366	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	51469	5.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	3960	4.923	ug/l	92
82) 4-Chlorotoluene	12.77	91	44433	5.136	ug/l	98
83) tert-Butylbenzene	12.99	119	45090	5.196	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	50131	5.080	ug/l	100
85) sec-Butylbenzene	13.17	105	60911	5.153	ug/l	99
86) p-Isopropyltoluene	13.29	119	52702	5.263	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	26093	5.108	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	26302	5.179	ug/l	95
89) n-Butylbenzene	13.61	91	41931	4.875	ug/l	97
90) Hexachloroethane	13.87	117	8741	4.928	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	26066	5.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2270	5.152	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8805	4.324	ug/l	93
94) Hexachlorobutadiene	15.01	225	5968	5.269	ug/l	93
95) Naphthalene	15.13	128	17987	3.909	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	7612	4.048	ug/l	97

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

