

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052181.D
 Acq On : 6 Nov 2018 10:21
 Operator : MD\SY
 Sample : VN1106WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:58:44 PM

Quant Time: Nov 06 16:20:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	358339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	627370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	550954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	233411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	210553	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.59	113	186593	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	717420	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.40	95	233445	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64106	20.516	ug/l	95
3) Chloromethane	2.06	50	84009	19.919	ug/l	97
4) Vinyl Chloride	2.19	62	81677	20.220	ug/l	93
5) Bromomethane	2.57	94	55976	18.536	ug/l	96
6) Chloroethane	2.71	64	50738	19.644	ug/l	96
7) Trichlorofluoromethane	3.02	101	117607	20.043	ug/l	99
8) Diethyl Ether	3.41	74	38994	19.022	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	72728	20.742	ug/l	92
10) Methyl Iodide	3.96	142	93606	18.908	ug/l	98
11) Tert butyl alcohol	4.78	59	15404	83.092	ug/l #	76
12) 1,1-Dichloroethene	3.74	96	67893	20.567	ug/l	86
13) Acrolein	3.61	56	17977	116.697	ug/l	92
14) Allyl chloride	4.33	41	106177	19.271	ug/l #	92
15) Acrylonitrile	4.99	53	122093	100.378	ug/l	98
16) Acetone	3.81	43	93360	96.978	ug/l	99
17) Carbon Disulfide	4.06	76	178226	18.920	ug/l	100
18) Methyl Acetate	4.33	43	56783	19.059	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	185801	20.432	ug/l	96
20) Methylene Chloride	4.55	84	79536	19.884	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	70874	20.645	ug/l	95
22) Diisopropyl ether	5.96	45	245505	20.212	ug/l	99
23) Vinyl Acetate	5.90	43	827462	103.574	ug/l	98
24) 1,1-Dichloroethane	5.85	63	145021	21.106	ug/l	97
25) 2-Butanone	6.84	43	142343	95.354	ug/l	96
26) 2,2-Dichloropropane	6.83	77	108837	20.252	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	84319	20.247	ug/l	93
28) Bromochloromethane	7.20	49	70783	21.760	ug/l	91
29) Tetrahydrofuran	7.21	42	93041	100.734	ug/l	99
30) Chloroform	7.37	83	143736	21.006	ug/l	98
31) Cyclohexane	7.66	56	132783	19.743	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	121696	20.050	ug/l	95
36) 1,1-Dichloropropene	7.79	75	107367	19.346	ug/l	96
37) Ethyl Acetate	6.93	43	65102	18.629	ug/l #	79
38) Carbon Tetrachloride	7.78	117	104752	18.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	129623	19.721	ug/l	95
40) Benzene	8.04	78	318055	19.495	ug/l	99
41) Methacrylonitrile	7.17	41	31339	17.446	ug/l #	74
42) 1,2-Dichloroethane	8.13	62	102320	19.509	ug/l	95
43) Isopropyl Acetate	8.17	43	117639	18.577	ug/l	99
44) Trichloroethene	8.84	130	80716	18.686	ug/l	87
45) 1,2-Dichloropropane	9.12	63	87428	20.234	ug/l	97
46) Dibromomethane	9.21	93	51189	18.629	ug/l #	91
47) Bromodichloromethane	9.40	83	106029	19.785	ug/l #	96
48) Methyl methacrylate	9.20	41	59369	19.479	ug/l	99
49) 1,4-Dioxane	9.20	88	8220	305.480	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	320876	95.914	ug/l	100
52) Toluene	10.16	92	196408	19.964	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	97853	18.613	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	120393	19.570	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69192	19.947	ug/l	95
56) Ethyl methacrylate	10.43	69	85361	18.880	ug/l	99
57) 1,3-Dichloropropane	10.71	76	117023	19.150	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	219274	90.116	ug/l	95
59) 2-Hexanone	10.75	43	215518	92.542	ug/l	99
60) Dibromochloromethane	10.90	129	74680	18.932	ug/l	98
61) 1,2-Dibromoethane	11.00	107	68276	19.391	ug/l	99
64) Tetrachloroethene	10.63	164	73150	20.494	ug/l	91
65) Chlorobenzene	11.43	112	217374	19.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	75978	20.146	ug/l	96
67) Ethyl Benzene	11.51	91	367722	19.715	ug/l	98
68) m/p-Xylenes	11.62	106	285456	39.663	ug/l	90
69) o-Xylene	11.95	106	138216	19.803	ug/l	92
70) Styrene	11.96	104	219919	19.904	ug/l	94
71) Bromoform	12.13	173	40164	17.874	ug/l #	99
73) Isopropylbenzene	12.25	105	355399	20.138	ug/l	97
74) N-amyl acetate	12.07	43	98932	18.450	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	77418	20.041	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	69770m	22.615	ug/l	
77) Bromobenzene	12.53	156	83130	19.753	ug/l	79
78) n-propylbenzene	12.59	91	403108	19.986	ug/l	97
79) 2-Chlorotoluene	12.67	91	233821	19.769	ug/l	91
80) 1,3,5-Trimethylbenzene	12.73	105	284405	19.909	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	19890	19.389	ug/l	98
82) 4-Chlorotoluene	12.77	91	236659	19.908	ug/l	91
83) tert-Butylbenzene	12.99	119	252149	19.990	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	284782	20.027	ug/l	95
85) sec-Butylbenzene	13.17	105	335838	19.690	ug/l	96
86) p-Isopropyltoluene	13.29	119	284731	19.833	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	144125	19.379	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	140667	18.924	ug/l	99
89) n-Butylbenzene	13.61	91	239033	19.229	ug/l	97
90) Hexachloroethane	13.87	117	46733	19.315	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	135542	19.420	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10585	20.757	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51894	17.296	ug/l	97
94) Hexachlorobutadiene	15.01	225	33130	19.994	ug/l	97
95) Naphthalene	15.13	128	120811	16.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	48313	18.184	ug/l	98

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

