

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052207.D
 Acq On : 7 Nov 2018 15:12
 Operator : MD\SY
 Sample : VN1107WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:14:08 AM

Quant Time: Nov 07 15:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	355177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	619230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	240354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	227650	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	199691	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.09	98	760133	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	250767	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	62719	20.250	ug/l	95
3) Chloromethane	2.06	50	89733	21.466	ug/l	99
4) Vinyl Chloride	2.19	62	84896	21.204	ug/l	96
5) Bromomethane	2.57	94	59099	19.744	ug/l	100
6) Chloroethane	2.71	64	53199	20.781	ug/l	99
7) Trichlorofluoromethane	3.02	101	120709	20.755	ug/l	97
8) Diethyl Ether	3.41	74	44549	21.925	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	71139	20.469	ug/l	99
10) Methyl Iodide	3.96	142	99343	20.246	ug/l	99
11) Tert butyl alcohol	4.78	59	16173	88.335	ug/l #	79
12) 1,1-Dichloroethene	3.74	96	69211	21.152	ug/l	96
13) Acrolein	3.61	56	13949	98.049	ug/l	84
14) Allyl chloride	4.33	41	111251	20.372	ug/l	92
15) Acrylonitrile	4.99	53	129693	108.203	ug/l	98
16) Acetone	3.82	43	84131	88.169	ug/l	99
17) Carbon Disulfide	4.06	76	183217	19.623	ug/l	97
18) Methyl Acetate	4.33	43	59616	19.661	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	192627	21.392	ug/l	95
20) Methylene Chloride	4.56	84	82408	20.785	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	73667	20.307	ug/l	95
22) Diisopropyl ether	5.95	45	255640	21.339	ug/l	98
23) Vinyl Acetate	5.90	43	883608	111.587	ug/l	99
24) 1,1-Dichloroethane	5.85	63	145981	21.448	ug/l	99
25) 2-Butanone	6.84	43	144985	97.988	ug/l	98
26) 2,2-Dichloropropane	6.83	77	100383	18.845	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	90686	21.969	ug/l	93
28) Bromochloromethane	7.19	49	74501	23.135	ug/l	97
29) Tetrahydrofuran	7.21	42	97811	106.842	ug/l	99
30) Chloroform	7.37	83	148905	21.955	ug/l	99
31) Cyclohexane	7.65	56	130616	19.545	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	124654	20.864	ug/l	99
36) 1,1-Dichloropropene	7.79	75	106640	19.467	ug/l	97
37) Ethyl Acetate	6.93	43	69983	20.702	ug/l	98
38) Carbon Tetrachloride	7.77	117	108637	19.836	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	123902	19.098	ug/l	97
40) Benzene	8.04	78	333391	20.703	ug/l	99
41) Methacrylonitrile	7.18	41	40445	22.173	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	105600	20.399	ug/l	99
43) Isopropyl Acetate	8.16	43	128365	20.537	ug/l #	90
44) Trichloroethene	8.84	130	87849	20.605	ug/l	96
45) 1,2-Dichloropropane	9.12	63	90180	21.146	ug/l	94
46) Dibromomethane	9.21	93	54051	19.929	ug/l	99
47) Bromodichloromethane	9.40	83	110819	20.951	ug/l	95
48) Methyl methacrylate	9.20	41	63201	21.009	ug/l	97
49) 1,4-Dioxane	9.20	88	9916	377.942	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	348674	105.593	ug/l	100
52) Toluene	10.16	92	208078	21.428	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	103540	19.954	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	124880	20.566	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	74565	21.779	ug/l	97
56) Ethyl methacrylate	10.43	69	91921	20.598	ug/l	98
57) 1,3-Dichloropropane	10.71	76	125783	20.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	257799	107.342	ug/l	98
59) 2-Hexanone	10.75	43	227958	99.171	ug/l	100
60) Dibromochloromethane	10.90	129	78582	20.183	ug/l	98
61) 1,2-Dibromoethane	11.00	107	71267	20.506	ug/l	99
64) Tetrachloroethene	10.63	164	74746	20.698	ug/l	97
65) Chlorobenzene	11.43	112	230025	20.246	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	80031	20.975	ug/l	98
67) Ethyl Benzene	11.51	91	388520	20.588	ug/l	99
68) m/p-Xylenes	11.62	106	295073	40.524	ug/l	98
69) o-Xylene	11.95	106	142196	20.137	ug/l	97
70) Styrene	11.96	104	230747	20.642	ug/l	99
71) Bromoform	12.13	173	44637	19.359	ug/l #	96
73) Isopropylbenzene	12.25	105	383006	21.075	ug/l	98
74) N-amyl acetate	12.07	43	116851	21.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	85750	21.557	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	64903m	17.159	ug/l	
77) Bromobenzene	12.53	156	88471	20.415	ug/l	96
78) n-propylbenzene	12.59	91	433755	20.885	ug/l	99
79) 2-Chlorotoluene	12.67	91	253900	20.847	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	308040	20.941	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20761	19.653	ug/l	97
82) 4-Chlorotoluene	12.77	91	253348	20.696	ug/l	99
83) tert-Butylbenzene	12.99	119	272994	21.017	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	309227	21.118	ug/l	100
85) sec-Butylbenzene	13.17	105	364039	20.727	ug/l	99
86) p-Isopropyltoluene	13.29	119	309834	20.959	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	157528	20.570	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	156361	20.427	ug/l	98
89) n-Butylbenzene	13.61	91	256536	20.041	ug/l	98
90) Hexachloroethane	13.87	117	51158	20.534	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	156448	21.768	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10841	20.645	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	63850	20.231	ug/l	100
94) Hexachlorobutadiene	15.01	225	36235	21.258	ug/l	96
95) Naphthalene	15.13	128	151294	20.556	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	56387	20.379	ug/l	98

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

