

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027271.D
 Acq On : 17 Sep 2015 23:29
 Operator : MD\FY
 Sample : VN0917WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:24:02 PM

Quant Time: Sep 18 07:00:11 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	520608	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	997998	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	840478	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	315075	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	535892	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
36) Dibromofluoromethane	7.68	113	342440	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
51) Toluene-d8	10.19	98	1319730	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
63) 4-Bromofluorobenzene	12.52	95	456960	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	120137	19.29	ug/l	99
3) Chlorodifluoromethane	1.82	51	140987	19.56	ug/l	94
4) Chloromethane	2.01	50	138694	20.55	ug/l	100
5) Vinyl Chloride	2.14	62	151849	20.64	ug/l	99
6) Bromomethane	2.54	94	63506	18.62	ug/l	98
7) Chloroethane	2.69	64	101134	20.22	ug/l	99
8) Trichlorofluoromethane	3.02	101	221101	19.90	ug/l	98
9) Diethyl Ether	3.42	74	100834	19.72	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	141403	20.26	ug/l	97
11) Methyl Iodide	3.99	142	104739	15.44	ug/l	93
12) Tert butyl alcohol	4.80	59	96218	92.24	ug/l	96
13) 1,1-Dichloroethene	3.77	96	136223	20.38	ug/l	96
14) Acrolein	3.62	56	102704	83.82	ug/l	98
15) Allyl chloride	4.37	41	254717	18.87	ug/l #	82
16) Acrylonitrile	5.03	53	338184	99.15	ug/l	98
17) Acetone	3.83	43	266562	92.69	ug/l	96
18) Carbon Disulfide	4.11	76	398286	18.30	ug/l	99
19) Methyl Acetate	4.36	43	424422	20.38	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	535274	19.95	ug/l	97
21) Methylene Chloride	4.60	84	163091	20.36	ug/l	97
22) trans-1,2-Dichloroethene	5.12	96	147269	20.37	ug/l	96
23) Diisopropyl ether	6.04	45	567034	20.02	ug/l #	87
24) Vinyl Acetate	5.97	43	890537	94.98	ug/l	97
25) 1,1-Dichloroethane	5.93	63	327445	19.90	ug/l	100
26) 2-Butanone	6.92	43	422188	97.48	ug/l	99
27) 2,2-Dichloropropane	6.92	77	230742	16.16	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	170482	20.56	ug/l	97
29) Bromochloromethane	7.29	49	133588	20.91	ug/l	98
30) Tetrahydrofuran	7.32	42	278431	93.29	ug/l	90
31) Chloroform	7.46	83	307689	20.69	ug/l	99
32) Cyclohexane	7.77	56	309974	20.62	ug/l #	88
33) 1,1,1-Trichloroethane	7.67	97	271755	20.50	ug/l	96
37) 1,1-Dichloropropene	7.89	75	227228	19.45	ug/l	99
38) Ethyl Acetate	7.02	43	192273	18.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	213349	19.42	ug/l	99
40) Methylcyclohexane	9.19	83	267642	18.81	ug/l	97
41) Benzene	8.14	78	679094	19.92	ug/l	100
42) Methacrylonitrile	7.24	41	107888	19.10	ug/l #	88
43) 1,2-Dichloroethane	8.22	62	266482	19.41	ug/l	97
44) Isopropyl Acetate	8.25	43	358737	19.22	ug/l	99
45) Trichloroethene	8.94	130	137895	20.14	ug/l	93
46) 1,2-Dichloropropane	9.22	63	188776	19.25	ug/l	97
47) Dibromomethane	9.31	93	111991	19.45	ug/l	94
48) Bromodichloromethane	9.50	83	238209	19.63	ug/l	98
49) Methyl methacrylate	9.29	41	170884	18.37	ug/l #	86
50) 1,4-Dioxane	9.30	88	38543	353.32	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	940219	95.25	ug/l	99
53) Toluene	10.26	92	394875	19.78	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	242320	17.78	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	272029	18.35	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	149198	19.88	ug/l	98
57) Ethyl methacrylate	10.52	69	241531	19.10	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	280282	20.12	ug/l	100
59) 2-Chloroethyl Vinyl ether	9.78	63	533975	91.97	ug/l	96
60) 2-Hexanone	10.84	43	624350	92.91	ug/l	100
61) Dibromochloromethane	11.00	129	142653	18.62	ug/l	100
62) 1,2-Dibromoethane	11.11	107	143832	19.51	ug/l	99
65) Tetrachloroethene	10.74	164	107108	19.93	ug/l	95
66) Chlorobenzene	11.54	112	391468	19.73	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	132855	19.63	ug/l	98
68) Ethyl Benzene	11.62	91	733086	19.48	ug/l	99
69) m/p-Xylenes	11.73	106	507654	39.11	ug/l	90
70) o-Xylene	12.06	106	252419	19.40	ug/l	89
71) Styrene	12.07	104	409671	19.50	ug/l	94
72) Bromoform	12.24	173	86567	18.39	ug/l #	100
74) Isopropylbenzene	12.36	105	691119	19.91	ug/l	99
75) N-amyl acetate	12.17	43	289170	18.66	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	202069	20.51	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	187617m	19.70	ug/l	
78) Bromobenzene	12.64	156	133791	19.65	ug/l	93
79) n-propylbenzene	12.71	91	803710	19.68	ug/l	98
80) 2-Chlorotoluene	12.79	91	486948	19.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	547927	19.64	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	62516	16.13	ug/l	93
83) 4-Chlorotoluene	12.89	91	482005	20.00	ug/l	94
84) tert-Butylbenzene	13.11	119	447380	19.44	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	549168	19.60	ug/l	95
86) sec-Butylbenzene	13.29	105	660781	19.60	ug/l	99
87) p-Isopropyltoluene	13.41	119	498071	19.18	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	231000	19.83	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	228230	19.34	ug/l	95
90) n-Butylbenzene	13.74	91	469544	18.63	ug/l	99
91) Hexachloroethane	14.01	117	101813	17.92	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	234788	20.39	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	37751	18.16	ug/l	87
94) 1,2,4-Trichlorobenzene	15.05	180	117871	18.95	ug/l	98
95) Hexachlorobutadiene	15.16	225	62710	19.14	ug/l	98
96) Naphthalene	15.29	128	337265	18.50	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	119454	19.32	ug/l	98

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

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