

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051264.D
 Acq On : 17 Sep 2018 10:22
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:47 PM

Quant Time: Sep 18 05:36:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	315736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	477562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	98722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1500	0.48	ug/l	92
3) Chloromethane	2.06	50	3496	0.80	ug/l	99
4) Vinyl Chloride	2.18	62	2597	0.62	ug/l #	85
5) Bromomethane	2.57	94	3321	1.18	ug/l	96
6) Chloroethane	2.71	64	1733	0.67	ug/l	97
7) Trichlorofluoromethane	3.02	101	3065	0.55	ug/l #	71
8) Diethyl Ether	3.41	74	957m	0.47	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1528m	0.43	ug/l	
12) 1,1-Dichloroethene	3.75	96	1488	0.44	ug/l #	71
14) Allyl chloride	4.32	41	2369	0.46	ug/l #	84
15) Acrylonitrile	5.01	53	2581m	2.19	ug/l	
16) Acetone	3.82	43	3818	3.94	ug/l	98
17) Carbon Disulfide	4.05	76	8190	0.74	ug/l	98
18) Methyl Acetate	4.34	43	5516	1.97	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	3492	0.40	ug/l	95
20) Methylene Chloride	4.55	84	2867m	0.74	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	1572m	0.43	ug/l	
22) Diisopropyl ether	5.96	45	3954	0.39	ug/l #	80
23) Vinyl Acetate	5.90	43	10881	1.59	ug/l	97
24) 1,1-Dichloroethane	5.85	63	2913	0.45	ug/l #	83
25) 2-Butanone	6.85	43	2812m	2.08	ug/l	
26) 2,2-Dichloropropane	6.83	77	2622m	0.50	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	1698	0.42	ug/l	92
29) Tetrahydrofuran	7.23	42	1469	1.74	ug/l #	41
30) Chloroform	7.37	83	3486	0.54	ug/l #	81
31) Cyclohexane	7.66	56	7177	1.10	ug/l #	7
32) 1,1,1-Trichloroethane	7.57	97	2484	0.45	ug/l #	38
36) 1,1-Dichloropropene	7.80	75	2275	0.43	ug/l #	78
37) Ethyl Acetate	6.94	43	982m	0.33	ug/l	
38) Carbon Tetrachloride	7.78	117	3007	0.57	ug/l	84
39) Methylcyclohexane	9.08	83	2534	0.44	ug/l #	86
40) Benzene	8.05	78	7285	0.46	ug/l #	90
41) Methacrylonitrile	7.18	41	354	0.22	ug/l #	25
42) 1,2-Dichloroethane	8.13	62	2237	0.48	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	8.17	43	1897	0.36	ug/l #	65
44) Trichloroethene	8.84	130	1881	0.43	ug/l	92
45) 1,2-Dichloropropane	9.12	63	2030	0.49	ug/l #	77
46) Dibromomethane	9.21	93	1096	0.44	ug/l #	87
47) Bromodichloromethane	9.41	83	2399	0.47	ug/l #	84
48) Methyl methacrylate	9.20	41	1083	0.42	ug/l #	73
51) 4-Methyl-2-Pentanone	9.99	43	5857	2.00	ug/l	88
52) Toluene	10.16	92	3426	0.35	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	1936	0.38	ug/l #	69
54) cis-1,3-Dichloropropene	9.84	75	2756	0.46	ug/l	94
55) 1,1,2-Trichloroethane	10.57	97	1573	0.45	ug/l #	92
56) Ethyl methacrylate	10.43	69	1131	0.27	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	2222	0.38	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1010	0.59	ug/l #	45
59) 2-Hexanone	10.76	43	3666	1.86	ug/l	71
60) Dibromochloromethane	10.90	129	1876	0.47	ug/l	87
61) 1,2-Dibromoethane	11.01	107	1333	0.39	ug/l	99
64) Tetrachloroethene	10.63	164	1853	0.52	ug/l	90
65) Chlorobenzene	11.44	112	4134	0.42	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	1914	0.54	ug/l #	57
67) Ethyl Benzene	11.51	91	5438	0.34	ug/l	90
68) m/p-Xylenes	11.62	106	4113	0.68	ug/l	99
69) o-Xylene	11.95	106	1945	0.33	ug/l	97
70) Styrene	11.97	104	2545	0.28	ug/l #	83
71) Bromoform	12.13	173	901	0.36	ug/l #	92
73) Isopropylbenzene	12.25	105	4908	0.59	ug/l	98
74) N-amyl acetate	12.08	43	1192	0.58	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.50	83	1815	0.83	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	1793	1.02	ug/l #	100
77) Bromobenzene	12.53	156	1472	0.66	ug/l	88
78) n-propylbenzene	12.59	91	4778	0.52	ug/l	95
79) 2-Chlorotoluene	12.68	91	3406	0.60	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3142	0.47	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	1084	2.11	ug/l #	15
82) 4-Chlorotoluene	12.78	91	2764	0.49	ug/l	88
83) tert-Butylbenzene	12.99	119	3462	0.58	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	3145	0.48	ug/l	88
85) sec-Butylbenzene	13.17	105	3841	0.50	ug/l	93
86) p-Isopropyltoluene	13.29	119	2326	0.36	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	2004	0.53	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	2004	0.54	ug/l	89
89) n-Butylbenzene	13.61	91	1545	0.31	ug/l	85
90) Hexachloroethane	13.88	117	1152	0.87	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	2174	0.59	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	789	0.51	ug/l #	86
94) Hexachlorobutadiene	15.01	225	988	0.76	ug/l	87
95) Naphthalene	15.13	128	1822	0.56	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.32	180	1024	0.63	ug/l	94

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

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