

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052055.D
 Acq On : 30 Oct 2018 9:25
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:47:39 AM

Quant Time: Oct 31 02:33:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	234937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147275	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	12.40	95	27997	7.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	2445	0.902	ug/l	93
3) Chloromethane	2.06	50	3178	0.934	ug/l	94
4) Vinyl Chloride	2.18	62	3576	0.951	ug/l #	86
5) Bromomethane	2.57	94	3322	1.095	ug/l	95
6) Chloroethane	2.71	64	2395	0.982	ug/l #	86
7) Trichlorofluoromethane	3.02	101	4020	0.947	ug/l	96
8) Diethyl Ether	3.41	74	1549m	0.981	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.77	101	2211	0.914	ug/l #	85
12) 1,1-Dichloroethene	3.75	96	2099	0.913	ug/l	89
14) Allyl chloride	4.33	41	4314m	0.920	ug/l	
15) Acrylonitrile	4.98	53	5049m	5.047	ug/l	
16) Acetone	3.81	43	4416m	5.356	ug/l	
17) Carbon Disulfide	4.06	76	7199	0.962	ug/l #	84
18) Methyl Acetate	4.33	43	2796	1.092	ug/l #	82
19) Methyl tert-butyl Ether	5.04	73	7301m	0.949	ug/l	
20) Methylene Chloride	4.56	84	2575	0.908	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	2338	0.896	ug/l #	59
22) Diisopropyl ether	5.95	45	10088	0.963	ug/l #	95
23) Vinyl Acetate	5.90	43	30672	4.429	ug/l	100
24) 1,1-Dichloroethane	5.85	63	5551	0.963	ug/l #	83
25) 2-Butanone	6.85	43	5312	4.563	ug/l #	51
26) 2,2-Dichloropropane	6.83	77	4539m	0.964	ug/l	
27) cis-1,2-Dichloroethene	6.82	96	3036m	0.939	ug/l	
28) Bromochloromethane	7.20	49	3509m	1.112	ug/l	
29) Tetrahydrofuran	7.21	42	3695	4.448	ug/l #	53
30) Chloroform	7.37	83	5742	0.976	ug/l	100
31) Cyclohexane	7.67	56	12568	1.374	ug/l #	58
32) 1,1,1-Trichloroethane	7.57	97	4006	0.896	ug/l #	37
36) 1,1-Dichloropropene	7.80	75	4257m	0.976	ug/l	
37) Ethyl Acetate	6.93	43	3339m	1.284	ug/l	
38) Carbon Tetrachloride	7.78	117	3272	0.904	ug/l	98
39) Methylcyclohexane	9.09	83	4887	0.939	ug/l #	80
40) Benzene	8.04	78	11533	0.935	ug/l	98
41) Methacrylonitrile	7.16	41	350	0.351	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	5202	1.062	ug/l	89
43) Isopropyl Acetate	8.16	43	4687	0.931	ug/l #	80
44) Trichloroethene	8.83	130	2486	0.915	ug/l	93
45) 1,2-Dichloropropane	9.12	63	3861	1.034	ug/l	97
46) Dibromomethane	9.21	93	1679m	0.881	ug/l	
47) Bromodichloromethane	9.40	83	3452	0.868	ug/l #	76
48) Methyl methacrylate	9.21	41	2364	0.929	ug/l	97
49) 1,4-Dioxane	9.21	88	76	6.018	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	12551	4.600	ug/l	95
52) Toluene	10.15	92	6785	0.916	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	3812	0.895	ug/l	91
54) cis-1,3-Dichloropropene	9.84	75	3924	0.850	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	2452	0.925	ug/l	92
56) Ethyl methacrylate	10.43	69	3666	0.946	ug/l	98
57) 1,3-Dichloropropane	10.70	76	4586	0.941	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	8998	4.531	ug/l	99
59) 2-Hexanone	10.75	43	9280	4.736	ug/l	90
60) Dibromochloromethane	10.90	129	2130	0.846	ug/l	97
61) 1,2-Dibromoethane	11.01	107	2406	0.915	ug/l	92
64) Tetrachloroethene	10.63	164	2183	0.959	ug/l #	88
65) Chlorobenzene	11.43	112	7784	0.959	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.50	131	2161	0.873	ug/l #	61
67) Ethyl Benzene	11.51	91	12894	0.907	ug/l	93
68) m/p-Xylenes	11.62	106	8281	1.678	ug/l	89
69) o-Xylene	11.95	106	3951	0.821	ug/l	88
70) Styrene	11.96	104	6613	0.833	ug/l #	84
71) Bromoform	12.13	173	1030	0.782	ug/l #	87
73) Isopropylbenzene	12.25	105	10528	0.907	ug/l	97
74) N-amyl acetate	12.07	43	4644	1.053	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	2936	1.004	ug/l	91
76) 1,2,3-Trichloropropane	12.55	75	2224m	0.892	ug/l	
77) Bromobenzene	12.52	156	2390	0.950	ug/l	90
78) n-propylbenzene	12.59	91	13801	0.946	ug/l	93
79) 2-Chlorotoluene	12.67	91	7449	0.909	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	8870	0.920	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.29	75	684	0.895	ug/l #	86
82) 4-Chlorotoluene	12.77	91	7322	0.883	ug/l	99
83) tert-Butylbenzene	12.99	119	7647	0.932	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	8294	0.880	ug/l	92
85) sec-Butylbenzene	13.17	105	10618	0.915	ug/l	93
86) p-Isopropyltoluene	13.29	119	8386	0.891	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	4382	0.953	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	4551m	0.972	ug/l	
89) n-Butylbenzene	13.62	91	8408	0.924	ug/l	98
90) Hexachloroethane	13.87	117	1512	0.921	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	3804	0.902	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110	0.411	ug/l #	76
93) 1,2,4-Trichlorobenzene	14.91	180	1324	0.870	ug/l	76
94) Hexachlorobutadiene	15.01	225	886	0.994	ug/l	86
95) Naphthalene	15.13	128	3607	0.894	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	1283	0.928	ug/l #	21

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

