

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051959.D
 Acq On : 23 Oct 2018 12:38
 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
 10/24/2018 10:09:02 AM

Quant Time: Oct 24 10:14:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 06:27:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	757123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	978678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445087	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	5069	1.055 ug/l	96
3) Chloromethane	2.06	50	4524	1.046 ug/l	96
4) Vinyl Chloride	2.19	62	6402	1.104 ug/l	98
5) Bromomethane	2.57	94	5945	1.071 ug/l #	75
6) Chloroethane	2.71	64	4864	1.130 ug/l #	75
7) Trichlorofluoromethane	3.02	101	10651	1.031 ug/l	93
8) Diethyl Ether	3.41	74	3241	1.055 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	6600	1.066 ug/l	99
12) 1,1-Dichloroethene	3.75	96	5495m	0.991 ug/l	
14) Allyl chloride	4.33	41	7176m	1.239 ug/l	
15) Acrylonitrile	5.00	53	6830m	4.636 ug/l	
16) Acetone	3.82	43	6803	5.981 ug/l	89
17) Carbon Disulfide	4.06	76	13667	1.037 ug/l	97
18) Methyl Acetate	4.33	43	5720m	1.490 ug/l	
19) Methyl tert-butyl Ether	5.05	73	14305	0.961 ug/l	97
20) Methylene Chloride	4.56	84	7887	1.210 ug/l	91
21) trans-1,2-Dichloroethene	5.05	96	6310	1.005 ug/l	96
22) Diisopropyl ether	5.95	45	13588m	1.013 ug/l	
23) Vinyl Acetate	5.91	43	41256	4.519 ug/l	97
24) 1,1-Dichloroethane	5.86	63	9940	1.015 ug/l	94
25) 2-Butanone	6.85	43	6541	4.130 ug/l	88
26) 2,2-Dichloropropane	6.83	77	8770	0.978 ug/l	89
27) cis-1,2-Dichloroethene	6.84	96	6786m	0.925 ug/l	
28) Bromochloromethane	7.20	49	3177	0.805 ug/l #	49
29) Tetrahydrofuran	7.22	42	6169	5.749 ug/l #	40
30) Chloroform	7.37	83	12312	1.029 ug/l	89
31) Cyclohexane	7.67	56	20992	1.989 ug/l #	60
32) 1,1,1-Trichloroethane	7.57	97	10677	0.976 ug/l #	48
36) 1,1-Dichloropropene	7.80	75	8840	1.033 ug/l	96
37) Ethyl Acetate	6.93	43	2192	0.599 ug/l #	75
38) Carbon Tetrachloride	7.78	117	9091	0.925 ug/l	92
39) Methylcyclohexane	9.08	83	9833	0.940 ug/l	92
40) Benzene	8.05	78	24388	0.959 ug/l	98
41) Methacrylonitrile	7.18	41	2192	1.139 ug/l #	53

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

42) 1,2-Dichloroethane	8.13	62	8432	1.035	ug/l	93
43) Isopropyl Acetate	8.17	43	6803	0.949	ug/l #	83
44) Trichloroethene	8.84	130	7857	0.963	ug/l	100
45) 1,2-Dichloropropane	9.12	63	5335	0.928	ug/l #	68
46) Dibromomethane	9.21	93	4539	0.979	ug/l	95
47) Bromodichloromethane	9.40	83	8395	0.959	ug/l	89
48) Methyl methacrylate	9.20	41	3423	0.988	ug/l	92
49) 1,4-Dioxane	9.21	88	993	15.627	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	19354	4.908	ug/l	97
52) Toluene	10.16	92	15447	0.896	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	6095	0.760	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	7445	0.814	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	6019	0.945	ug/l #	89
56) Ethyl methacrylate	10.43	69	5768	0.843	ug/l	94
57) 1,3-Dichloropropane	10.71	76	9630	0.996	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	15150	4.230	ug/l	99
59) 2-Hexanone	10.75	43	11651	4.397	ug/l	95
60) Dibromochloromethane	10.90	129	5537	0.776	ug/l	98
61) 1,2-Dibromoethane	11.01	107	5900	0.879	ug/l	99
64) Tetrachloroethene	10.63	164	7653	1.019	ug/l	94
65) Chlorobenzene	11.43	112	19727	0.998	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	6304	0.888	ug/l #	66
67) Ethyl Benzene	11.51	91	30533	0.961	ug/l	98
68) m/p-Xylenes	11.62	106	21462	1.691	ug/l	96
69) o-Xylene	11.95	106	10873	0.881	ug/l	93
70) Styrene	11.97	104	15801	0.801	ug/l	95
71) Bromoform	12.12	173	2902	0.670	ug/l #	98
73) Isopropylbenzene	12.25	105	28660	1.015	ug/l	100
74) N-amyl acetate	12.07	43	6404	1.153	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.50	83	5818	0.998	ug/l	92
76) 1,2,3-Trichloropropane	12.55	75	4623m	0.995	ug/l	
77) Bromobenzene	12.53	156	7431	0.954	ug/l	90
78) n-propylbenzene	12.59	91	29527	0.970	ug/l	94
79) 2-Chlorotoluene	12.68	91	17682	0.997	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	20308	0.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	803	0.648	ug/l #	67
82) 4-Chlorotoluene	12.77	91	17984	0.980	ug/l	93
83) tert-Butylbenzene	12.99	119	20717	0.967	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	21632	0.926	ug/l	99
85) sec-Butylbenzene	13.17	105	26265	0.939	ug/l	92
86) p-Isopropyltoluene	13.29	119	22130	0.879	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	14179	0.987	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	13665m	0.965	ug/l	
89) n-Butylbenzene	13.62	91	17940	0.895	ug/l	98
90) Hexachloroethane	13.88	117	3332	0.888	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	13693	0.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1022	1.141	ug/l #	46
93) 1,2,4-Trichlorobenzene	14.91	180	8127	0.990	ug/l	87
94) Hexachlorobutadiene	15.01	225	4523	1.072	ug/l	94
95) Naphthalene	15.13	128	15219	0.854	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	7937	1.011	ug/l	96

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

