

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052056.D
 Acq On : 30 Oct 2018 9:52
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:47:44 AM

Quant Time: Oct 31 02:36:17 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	218807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	417357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	366739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142732	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	20107	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
35) Dibromofluoromethane	7.59	113	14009	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
50) Toluene-d8	10.09	98	55411	5.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.90%	
62) 4-Bromofluorobenzene	12.40	95	19511	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	11392	4.513	ug/l	98
3) Chloromethane	2.06	50	17457	5.511	ug/l	96
4) Vinyl Chloride	2.19	62	19276	5.502	ug/l	99
5) Bromomethane	2.57	94	15731	5.566	ug/l	94
6) Chloroethane	2.71	64	13669	6.017	ug/l	96
7) Trichlorofluoromethane	3.02	101	23031	5.828	ug/l	97
8) Diethyl Ether	3.41	74	8433	5.735	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14146	6.280	ug/l #	82
10) Methyl Iodide	3.96	142	14572	4.510	ug/l #	93
11) Tert butyl alcohol	4.77	59	4781m	30.600	ug/l	
12) 1,1-Dichloroethene	3.74	96	12344	5.763	ug/l	90
13) Acrolein	3.61	56	3767	22.478	ug/l #	80
14) Allyl chloride	4.33	41	26164	5.989	ug/l #	87
15) Acrylonitrile	5.00	53	27620	29.643	ug/l #	92
16) Acetone	3.82	43	20007	26.056	ug/l	93
17) Carbon Disulfide	4.06	76	36249	5.199	ug/l #	94
18) Methyl Acetate	4.32	43	14473	6.067	ug/l #	67
19) Methyl tert-butyl Ether	5.04	73	40972	5.720	ug/l	98
20) Methylene Chloride	4.55	84	16347	6.189	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	14578	5.997	ug/l #	87
22) Diisopropyl ether	5.95	45	53314	5.467	ug/l #	91
23) Vinyl Acetate	5.90	43	180781	28.027	ug/l	97
24) 1,1-Dichloroethane	5.85	63	30657	5.710	ug/l	98
25) 2-Butanone	6.83	43	33218	30.634	ug/l	93
26) 2,2-Dichloropropane	6.83	77	22141	5.052	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	16600	5.510	ug/l	94
28) Bromochloromethane	7.20	49	14903	5.069	ug/l	96
29) Tetrahydrofuran	7.21	42	21469	27.751	ug/l	97
30) Chloroform	7.37	83	29089	5.308	ug/l	95
31) Cyclohexane	7.66	56	33836	3.971	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	22317	5.358	ug/l #	92
36) 1,1-Dichloropropene	7.79	75	22400	5.405	ug/l #	71
37) Ethyl Acetate	6.93	43	15841	6.411	ug/l #	73
38) Carbon Tetrachloride	7.77	117	17273	5.019	ug/l	99

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

39) Methylcyclohexane	9.08	83	25367	5.128	ug/l	94
40) Benzene	8.05	78	65630	5.599	ug/l	100
41) Methacrylonitrile	7.16	41	5511	5.812	ug/l #	69
42) 1,2-Dichloroethane	8.12	62	24826	5.336	ug/l	97
43) Isopropyl Acetate	8.16	43	27442	5.737	ug/l #	84
44) Trichloroethene	8.83	130	14155	5.485	ug/l	93
45) 1,2-Dichloropropane	9.12	63	18409	5.190	ug/l	92
46) Dibromomethane	9.21	93	10435	5.765	ug/l	96
47) Bromodichloromethane	9.40	83	21066	5.575	ug/l	98
48) Methyl methacrylate	9.20	41	14477	5.988	ug/l	93
49) 1,4-Dioxane	9.19	88	2228m	185.653	ug/l	
51) 4-Methyl-2-Pentanone	9.98	43	74330	28.667	ug/l	96
52) Toluene	10.16	92	37974	5.396	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	21201	5.240	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	23715	5.406	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	13927	5.531	ug/l	96
56) Ethyl methacrylate	10.43	69	18446	5.007	ug/l	93
57) 1,3-Dichloropropane	10.71	76	26584	5.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	53734	28.471	ug/l	99
59) 2-Hexanone	10.75	43	56661	30.427	ug/l	96
60) Dibromochloromethane	10.90	129	11821	4.938	ug/l	90
61) 1,2-Dibromoethane	11.00	107	12856	5.144	ug/l	99
64) Tetrachloroethene	10.63	164	12841	6.092	ug/l	88
65) Chlorobenzene	11.43	112	40420	5.375	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	11502	5.014	ug/l	93
67) Ethyl Benzene	11.51	91	72208	5.482	ug/l	99
68) m/p-Xylenes	11.62	106	50471	11.039	ug/l	92
69) o-Xylene	11.95	106	26361	5.911	ug/l	100
70) Styrene	11.96	104	40074	5.450	ug/l	96
71) Bromoform	12.13	173	6113	5.007	ug/l #	84
73) Isopropylbenzene	12.25	105	67139	5.970	ug/l	97
74) N-amyl acetate	12.07	43	22684	5.307	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	16389	5.781	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	13892m	5.748	ug/l	
77) Bromobenzene	12.53	156	13347	5.474	ug/l	91
78) n-propylbenzene	12.59	91	79442	5.620	ug/l	99
79) 2-Chlorotoluene	12.67	91	49361	6.218	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	53667	5.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	3253	4.392	ug/l #	66
82) 4-Chlorotoluene	12.77	91	47696	5.938	ug/l	99
83) tert-Butylbenzene	12.99	119	44571	5.604	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	53583	5.865	ug/l	100
85) sec-Butylbenzene	13.17	105	63369	5.633	ug/l	100
86) p-Isopropyltoluene	13.29	119	50046	5.485	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	25087	5.629	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	25177	5.550	ug/l	95
89) n-Butylbenzene	13.61	91	48739	5.529	ug/l	99
90) Hexachloroethane	13.87	117	8014	5.039	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	24442	5.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1908	7.362	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7691	5.214	ug/l	92
94) Hexachlorobutadiene	15.01	225	5591	6.472	ug/l	86
95) Naphthalene	15.14	128	18308	4.682	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	6635	4.954	ug/l	98

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

