

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051337.D
 Acq On : 20 Sep 2018 13:52
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:09 PM

Quant Time: Sep 21 04:05:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	822682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	375076	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	44572	6.24	ug/l	0.00
Spiked Amount			Recovery	=	12.48%	
35) Dibromofluoromethane	7.59	113	43325	5.90	ug/l	0.00
Spiked Amount			Recovery	=	11.80%	
50) Toluene-d8	10.09	98	167379	5.92	ug/l	0.00
Spiked Amount			Recovery	=	11.84%	
62) 4-Bromofluorobenzene	12.40	95	50909	5.54	ug/l	0.00
Spiked Amount			Recovery	=	11.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	29630	5.383	ug/l	97
3) Chloromethane	2.06	50	41820	5.356	ug/l	98
4) Vinyl Chloride	2.18	62	41305	5.324	ug/l	98
5) Bromomethane	2.56	94	26442	4.886	ug/l	96
6) Chloroethane	2.70	64	24725	5.186	ug/l	97
7) Trichlorofluoromethane	3.02	101	58624	5.286	ug/l	99
8) Diethyl Ether	3.42	74	17948	5.057	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	35541	5.222	ug/l	98
10) Methyl Iodide	3.95	142	43746	4.343	ug/l	99
11) Tert butyl alcohol	4.79	59	9981	26.372	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	30951	5.024	ug/l	97
13) Acrolein	3.61	56	7566	17.467	ug/l	95
14) Allyl chloride	4.33	41	41461	4.775	ug/l	96
15) Acrylonitrile	4.99	53	48384	25.227	ug/l	98
16) Acetone	3.82	43	39579	26.990	ug/l	96
17) Carbon Disulfide	4.05	76	92803	4.999	ug/l	97
18) Methyl Acetate	4.33	43	24951	4.951	ug/l #	72
19) Methyl tert-butyl Ether	5.05	73	69861	4.685	ug/l	99
20) Methylene Chloride	4.55	84	38079	5.189	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	32794	5.040	ug/l	99
22) Diisopropyl ether	5.96	45	81134	4.730	ug/l	91
23) Vinyl Acetate	5.90	43	259184	23.360	ug/l	98
24) 1,1-Dichloroethane	5.85	63	61083	5.224	ug/l	98
25) 2-Butanone	6.84	43	53726	26.341	ug/l	93
26) 2,2-Dichloropropane	6.83	77	49697	5.144	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	34616	4.801	ug/l	95
28) Bromochloromethane	7.20	49	24317	5.018	ug/l	97
29) Tetrahydrofuran	7.21	42	30070	23.271	ug/l	98
30) Chloroform	7.37	83	64622	5.259	ug/l	98
31) Cyclohexane	7.66	56	52834	4.592	ug/l #	69
32) 1,1,1-Trichloroethane	7.57	97	53939	5.095	ug/l	97
36) 1,1-Dichloropropene	7.79	75	44469	4.781	ug/l	98
37) Ethyl Acetate	6.94	43	22935	4.980	ug/l	99
38) Carbon Tetrachloride	7.78	117	51090	5.077	ug/l	97

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

39) Methylcyclohexane	9.08	83	48755	4.491	ug/l	95
40) Benzene	8.04	78	141506	5.049	ug/l	98
41) Methacrylonitrile	7.18	41	9930	4.139	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	43794	5.173	ug/l	99
43) Isopropyl Acetate	8.17	43	42415	5.259	ug/l #	86
44) Trichloroethene	8.84	130	40749	5.065	ug/l	98
45) 1,2-Dichloropropane	9.12	63	37532	5.233	ug/l	96
46) Dibromomethane	9.21	93	22691	5.132	ug/l	99
47) Bromodichloromethane	9.40	83	46407	4.921	ug/l	99
48) Methyl methacrylate	9.20	41	19849	4.828	ug/l	94
49) 1,4-Dioxane	9.20	88	5993	98.565	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	105112	24.230	ug/l	97
52) Toluene	10.16	92	83746	4.853	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	41952	4.633	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	50220	4.790	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	33347	5.151	ug/l	96
56) Ethyl methacrylate	10.43	69	29671	4.340	ug/l	96
57) 1,3-Dichloropropane	10.71	76	50425	4.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	66808	19.873	ug/l	99
59) 2-Hexanone	10.75	43	72769	24.881	ug/l	92
60) Dibromochloromethane	10.90	129	36900	4.888	ug/l	99
61) 1,2-Dibromoethane	11.01	107	30641	4.923	ug/l	100
64) Tetrachloroethene	10.63	164	36073	5.028	ug/l	98
65) Chlorobenzene	11.43	112	98109	4.992	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	38239	5.111	ug/l	99
67) Ethyl Benzene	11.51	91	142297	4.628	ug/l	98
68) m/p-Xylenes	11.62	106	110871	9.178	ug/l	99
69) o-Xylene	11.95	106	53719	4.613	ug/l	97
70) Styrene	11.96	104	79423	4.394	ug/l	98
71) Bromoform	12.13	173	25264	4.975	ug/l #	98
73) Isopropylbenzene	12.25	105	136708	4.973	ug/l	99
74) N-amyl acetate	12.07	43	28130	4.783	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	38205	5.632	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	32411m	5.984	ug/l	
77) Bromobenzene	12.53	156	39402	5.188	ug/l	97
78) n-propylbenzene	12.59	91	147622	4.926	ug/l	98
79) 2-Chlorotoluene	12.67	91	95429	5.167	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	110403	4.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8669	5.541	ug/l	95
82) 4-Chlorotoluene	12.77	91	89686	4.996	ug/l	99
83) tert-Butylbenzene	12.99	119	99512	4.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	106654	4.822	ug/l	99
85) sec-Butylbenzene	13.17	105	133399	5.029	ug/l	98
86) p-Isopropyltoluene	13.29	119	108169	4.686	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	65547	5.134	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	62802	5.075	ug/l	94
89) n-Butylbenzene	13.62	91	81418	4.537	ug/l	96
90) Hexachloroethane	13.87	117	27179	5.498	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	64034	5.192	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4847	5.395	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19587	3.465	ug/l	93
94) Hexachlorobutadiene	15.01	225	24645	5.149	ug/l	98
95) Naphthalene	15.13	128	28453	2.855	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	21171	3.764	ug/l	98

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

