

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050376.D
 Acq On : 6 Aug 2018 11:35
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:57:54 AM

Quant Time: Aug 06 13:00:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 06 12:50:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	948110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411319	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	45586	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
35) Dibromofluoromethane	7.59	113	39124	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
50) Toluene-d8	10.09	98	137679	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
62) 4-Bromofluorobenzene	12.40	95	42844	4.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	35046	3.87	ug/l	99
3) Chloromethane	2.06	50	48021	4.88	ug/l	99
4) Vinyl Chloride	2.18	62	46340	4.47	ug/l	98
5) Bromomethane	2.56	94	27197	4.26	ug/l	99
6) Chloroethane	2.70	64	28704	4.61	ug/l	95
7) Trichlorofluoromethane	3.01	101	63207	4.70	ug/l	100
8) Diethyl Ether	3.41	74	22537	5.03	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	38114	4.72	ug/l	97
10) Methyl Iodide	3.95	142	10755	1.04	ug/l #	95
11) Tert butyl alcohol	4.80	59	16544	25.56	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	34479	4.74	ug/l	99
13) Acrolein	3.61	56	22993	44.21	ug/l	99
14) Allyl chloride	4.32	41	55896	4.96	ug/l	98
15) Acrylonitrile	4.99	53	69745	24.69	ug/l	99
16) Acetone	3.82	43	68115	29.69	ug/l	98
17) Carbon Disulfide	4.05	76	114483	5.14	ug/l	99
18) Methyl Acetate	4.33	43	38315	3.65	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	95394	4.93	ug/l	97
20) Methylene Chloride	4.55	84	47158	5.34	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	38615	5.01	ug/l	93
22) Diisopropyl ether	5.96	45	110200	4.93	ug/l	95
23) Vinyl Acetate	5.90	43	386032	24.45	ug/l	99
24) 1,1-Dichloroethane	5.85	63	73708	5.04	ug/l	99
25) 2-Butanone	6.84	43	103192	30.75	ug/l	97
26) 2,2-Dichloropropane	6.82	77	60225	5.42	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	41663	5.03	ug/l	98
28) Bromochloromethane	7.19	49	33053	4.96	ug/l	100
29) Tetrahydrofuran	7.22	42	54104	24.95	ug/l	99
30) Chloroform	7.37	83	74289	4.98	ug/l	98
31) Cyclohexane	7.66	56	66600	4.75	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	63470	4.98	ug/l	99
36) 1,1-Dichloropropene	7.79	75	52945	4.96	ug/l	99
37) Ethyl Acetate	6.94	43	34897	4.69	ug/l	96
38) Carbon Tetrachloride	7.78	117	55802	4.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	52900	4.81	ug/l	96
40) Benzene	8.04	78	163680	5.04	ug/l	99
41) Methacrylonitrile	7.19	41	19307m	5.53	ug/l	
42) 1,2-Dichloroethane	8.13	62	51949	4.79	ug/l	100
43) Isopropyl Acetate	8.17	43	66885	3.71	ug/l	99
44) Trichloroethene	8.84	130	43237	4.95	ug/l	92
45) 1,2-Dichloropropane	9.12	63	43507	5.05	ug/l	97
46) Dibromomethane	9.21	93	27476	5.14	ug/l	99
47) Bromodichloromethane	9.40	83	56007	4.96	ug/l	99
48) Methyl methacrylate	9.20	41	29793	4.65	ug/l	98
49) 1,4-Dioxane	9.20	88	8631	98.88	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	223879	30.58	ug/l	99
52) Toluene	10.16	92	95265	4.97	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	51508	4.84	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	58332	4.79	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	39353	5.17	ug/l	95
56) Ethyl methacrylate	10.43	69	43155	4.80	ug/l	97
57) 1,3-Dichloropropane	10.71	76	61638	4.97	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	97687	23.34	ug/l	99
59) 2-Hexanone	10.75	43	152598	31.59	ug/l	98
60) Dibromochloromethane	10.90	129	40782	4.84	ug/l	98
61) 1,2-Dibromoethane	11.01	107	37787	5.00	ug/l	99
64) Tetrachloroethene	10.63	164	41310	5.03	ug/l	98
65) Chlorobenzene	11.44	112	109721	5.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	40896	4.93	ug/l	100
67) Ethyl Benzene	11.51	91	167262	4.82	ug/l	100
68) m/p-Xylenes	11.62	106	124444	9.48	ug/l	99
69) o-Xylene	11.95	106	60056	4.80	ug/l	98
70) Styrene	11.97	104	94139	4.76	ug/l	100
71) Bromoform	12.13	173	28045	4.65	ug/l #	99
73) Isopropylbenzene	12.25	105	159300	4.99	ug/l	100
74) N-amyl acetate	12.07	43	49018	5.03	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	48927	5.02	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	39925m	5.22	ug/l	
77) Bromobenzene	12.53	156	42639	4.82	ug/l	97
78) n-propylbenzene	12.59	91	173437	4.86	ug/l	99
79) 2-Chlorotoluene	12.68	91	110444	5.00	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	126655	5.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9963	4.13	ug/l	92
82) 4-Chlorotoluene	12.77	91	109960	5.02	ug/l	100
83) tert-Butylbenzene	12.99	119	112355	5.13	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	126300	4.99	ug/l	99
85) sec-Butylbenzene	13.17	105	144803	4.95	ug/l	100
86) p-Isopropyltoluene	13.29	119	121386	4.92	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75230	5.02	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	74650	5.11	ug/l	94
89) n-Butylbenzene	13.62	91	95547	4.71	ug/l	99
90) Hexachloroethane	13.88	117	22401	4.09	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77236	5.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8001	5.10	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	31581	4.78	ug/l	97
94) Hexachlorobutadiene	15.01	225	24189	5.27	ug/l	97
95) Naphthalene	15.14	128	66334	4.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	34263	5.12	ug/l	96

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

