

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050781.D
 Acq On : 21 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:18:47 AM

Quant Time: Aug 22 03:52:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	905664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	834511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	412971	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	144185	18.78	ug/l	0.00
Spiked Amount			Recovery	=	37.56%	
35) Dibromofluoromethane	7.59	113	138592	19.24	ug/l	0.00
Spiked Amount			Recovery	=	38.48%	
50) Toluene-d8	10.09	98	504639	18.73	ug/l	0.00
Spiked Amount			Recovery	=	37.46%	
62) 4-Bromofluorobenzene	12.40	95	161085	18.00	ug/l	0.00
Spiked Amount			Recovery	=	36.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	193526	22.67	ug/l	100
3) Chloromethane	2.06	50	213199	20.25	ug/l	100
4) Vinyl Chloride	2.18	62	205776	20.63	ug/l	99
5) Bromomethane	2.57	94	118427	18.45	ug/l	97
6) Chloroethane	2.70	64	117633	20.41	ug/l	100
7) Trichlorofluoromethane	3.01	101	262967	20.59	ug/l	98
8) Diethyl Ether	3.41	74	87826	20.22	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162631	20.38	ug/l	99
10) Methyl Iodide	3.95	142	110988	17.52	ug/l	99
11) Tert butyl alcohol	4.80	59	47545	97.23	ug/l	98
12) 1,1-Dichloroethene	3.73	96	145206	20.27	ug/l	98
13) Acrolein	3.61	56	26606	99.61	ug/l	97
14) Allyl chloride	4.32	41	218354	19.56	ug/l	99
15) Acrylonitrile	4.99	53	246418	99.16	ug/l	99
16) Acetone	3.82	43	191772	90.57	ug/l	97
17) Carbon Disulfide	4.05	76	464628	19.35	ug/l	100
18) Methyl Acetate	4.33	43	137181	18.79	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	362427	20.11	ug/l	99
20) Methylene Chloride	4.55	84	168897	19.52	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	154063	19.96	ug/l	98
22) Diisopropyl ether	5.95	45	466714	20.98	ug/l	96
23) Vinyl Acetate	5.90	43	1455526	101.59	ug/l	100
24) 1,1-Dichloroethane	5.85	63	287297	20.11	ug/l	99
25) 2-Butanone	6.84	43	280526	90.65	ug/l	98
26) 2,2-Dichloropropane	6.82	77	229573	20.00	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	169077	20.24	ug/l	99
28) Bromochloromethane	7.20	49	120657	19.88	ug/l	100
29) Tetrahydrofuran	7.22	42	178119	100.39	ug/l	100
30) Chloroform	7.37	83	287473	20.33	ug/l	99
31) Cyclohexane	7.66	56	248837	17.54	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	242153	19.93	ug/l	99
36) 1,1-Dichloropropene	7.79	75	215350	20.15	ug/l	99
37) Ethyl Acetate	6.93	43	123650	21.02	ug/l	100
38) Carbon Tetrachloride	7.78	117	219172	20.29	ug/l	98

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

39) Methylcyclohexane	9.08	83	224505	19.42	ug/l	94
40) Benzene	8.04	78	657273	20.40	ug/l	97
41) Methacrylonitrile	7.18	41	66776m	21.48	ug/l	
42) 1,2-Dichloroethane	8.13	62	199771	20.73	ug/l	100
43) Isopropyl Acetate	8.17	43	210861	19.98	ug/l	100
44) Trichloroethene	8.84	130	170841	20.10	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172757	20.40	ug/l	99
46) Dibromomethane	9.21	93	101944	20.48	ug/l	99
47) Bromodichloromethane	9.40	83	212964	20.43	ug/l	97
48) Methyl methacrylate	9.20	41	109457	20.35	ug/l	97
49) 1,4-Dioxane	9.20	88	29249	398.85	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	617206	97.99	ug/l	99
52) Toluene	10.16	92	400573	20.98	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204989	19.76	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	246095	20.71	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144980	20.46	ug/l	99
56) Ethyl methacrylate	10.43	69	160362	19.95	ug/l	98
57) 1,3-Dichloropropane	10.71	76	238971	20.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350918	102.27	ug/l	99
59) 2-Hexanone	10.75	43	396789	94.62	ug/l	98
60) Dibromochloromethane	10.90	129	161519	20.36	ug/l	100
61) 1,2-Dibromoethane	11.01	107	139345	20.34	ug/l	99
64) Tetrachloroethene	10.63	164	159179	20.08	ug/l	99
65) Chlorobenzene	11.43	112	433168	19.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159517	19.99	ug/l	99
67) Ethyl Benzene	11.51	91	704076	19.85	ug/l	99
68) m/p-Xylenes	11.62	106	565143	41.99	ug/l	100
69) o-Xylene	11.95	106	263386	20.35	ug/l	98
70) Styrene	11.96	104	424959	21.01	ug/l	99
71) Bromoform	12.13	173	110286	20.09	ug/l #	100
73) Isopropylbenzene	12.25	105	699841	20.47	ug/l	100
74) N-amyl acetate	12.07	43	168666	19.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	179382	19.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	152211m	21.74	ug/l	
77) Bromobenzene	12.53	156	181488	19.53	ug/l	99
78) n-propylbenzene	12.59	91	790238	20.69	ug/l	100
79) 2-Chlorotoluene	12.68	91	488827	20.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	584460	21.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41610	19.45	ug/l	96
82) 4-Chlorotoluene	12.77	91	485582	20.67	ug/l	99
83) tert-Butylbenzene	12.99	119	485545	20.32	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	594277	21.41	ug/l	100
85) sec-Butylbenzene	13.17	105	652929	20.85	ug/l	100
86) p-Isopropyltoluene	13.29	119	559941	20.99	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	314883	19.97	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	303493	19.55	ug/l	99
89) n-Butylbenzene	13.62	91	419362	19.65	ug/l	98
90) Hexachloroethane	13.87	117	103507	18.74	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	303375	19.94	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23553	19.18	ug/l	96

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93) 1,2,4-Trichlorobenzene	14.91	180	120316	18.17	ug/l	98
94) Hexachlorobutadiene	15.01	225	95111	19.17	ug/l	97
95) Naphthalene	15.13	128	221520	16.95	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121417	18.83	ug/l	99

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

