

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052057.D
 Acq On : 30 Oct 2018 10:18
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:47:51 AM

Quant Time: Oct 31 02:37:46 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	231295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	444199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	409598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164786	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	75881	20.84	ug/l	0.00
Spiked Amount						
			Recovery	=	41.68%	
35) Dibromofluoromethane	7.59	113	54889	20.62	ug/l	0.00
Spiked Amount						
			Recovery	=	41.24%	
50) Toluene-d8	10.09	98	218156	20.15	ug/l	0.00
Spiked Amount						
			Recovery	=	40.30%	
62) 4-Bromofluorobenzene	12.40	95	79557	19.80	ug/l	0.00
Spiked Amount						
			Recovery	=	39.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	59234	22.201	ug/l	99
3) Chloromethane	2.06	50	77179	23.050	ug/l	97
4) Vinyl Chloride	2.19	62	84903	22.925	ug/l	96
5) Bromomethane	2.57	94	57518	19.252	ug/l	100
6) Chloroethane	2.71	64	52740	21.964	ug/l	91
7) Trichlorofluoromethane	3.02	101	87176	20.870	ug/l	98
8) Diethyl Ether	3.41	74	33237	21.383	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52163	21.909	ug/l	97
10) Methyl Iodide	3.96	142	65741	19.249	ug/l	99
11) Tert butyl alcohol	4.77	59	20412	123.589	ug/l	98
12) 1,1-Dichloroethene	3.74	96	50733	22.405	ug/l	98
13) Acrolein	3.61	56	18554	104.735	ug/l	92
14) Allyl chloride	4.33	41	96253	20.842	ug/l	94
15) Acrylonitrile	4.98	53	106962	108.600	ug/l	99
16) Acetone	3.82	43	81057	99.865	ug/l	100
17) Carbon Disulfide	4.06	76	152048	20.630	ug/l	98
18) Methyl Acetate	4.32	43	49385	19.584	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	161133	21.281	ug/l	92
20) Methylene Chloride	4.55	84	61057	21.870	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	55104	21.446	ug/l	85
22) Diisopropyl ether	5.95	45	220937	21.433	ug/l	95
23) Vinyl Acetate	5.90	43	766700	112.448	ug/l	100
24) 1,1-Dichloroethane	5.85	63	119883	21.122	ug/l	99
25) 2-Butanone	6.83	43	134584	117.416	ug/l	98
26) 2,2-Dichloropropane	6.83	77	93958	20.280	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	67516	21.200	ug/l	96
28) Bromochloromethane	7.20	49	56764	18.265	ug/l	98
29) Tetrahydrofuran	7.21	42	86319	105.552	ug/l	99
30) Chloroform	7.37	83	117994	20.369	ug/l	99
31) Cyclohexane	7.66	56	122299	13.579	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	97580	22.165	ug/l	98
36) 1,1-Dichloropropene	7.79	75	91657	20.780	ug/l	99
37) Ethyl Acetate	6.93	43	59687	22.698	ug/l	98
38) Carbon Tetrachloride	7.78	117	78288	21.375	ug/l	99

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39) Methylcyclohexane	9.08	83	108863	20.678	ug/l	99
40) Benzene	8.04	78	271319	21.748	ug/l	99
41) Methacrylonitrile	7.17	41	28341	28.081	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	96118	19.409	ug/l	100
43) Isopropyl Acetate	8.17	43	110239	21.655	ug/l	98
44) Trichloroethene	8.84	130	58529	21.310	ug/l	98
45) 1,2-Dichloropropane	9.12	63	77413	20.505	ug/l	100
46) Dibromomethane	9.21	93	42265	21.939	ug/l	96
47) Bromodichloromethane	9.40	83	88404	21.981	ug/l	97
48) Methyl methacrylate	9.20	41	55645	21.626	ug/l	99
49) 1,4-Dioxane	9.20	88	9918	776.499	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	308745	111.878	ug/l	100
52) Toluene	10.16	92	160934	21.484	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	91031	21.140	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	105694	22.638	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	56629	21.132	ug/l	96
56) Ethyl methacrylate	10.43	69	79509	20.278	ug/l	95
57) 1,3-Dichloropropane	10.71	76	105634	21.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219694	109.371	ug/l	96
59) 2-Hexanone	10.75	43	213501	107.723	ug/l	99
60) Dibromochloromethane	10.90	129	54720	21.477	ug/l	97
61) 1,2-Dibromoethane	11.00	107	55785	20.974	ug/l	98
64) Tetrachloroethene	10.63	164	48565	20.628	ug/l	96
65) Chlorobenzene	11.43	112	174879	20.822	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	56521	22.062	ug/l	97
67) Ethyl Benzene	11.51	91	316856	21.537	ug/l	100
68) m/p-Xylenes	11.62	106	228517	44.752	ug/l	99
69) o-Xylene	11.95	106	113183	22.723	ug/l	97
70) Styrene	11.96	104	180381	21.964	ug/l	97
71) Bromoform	12.12	173	29865	21.902	ug/l #	96
73) Isopropylbenzene	12.25	105	299504	23.067	ug/l	100
74) N-amyl acetate	12.07	43	100132	20.293	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	70825	21.640	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	65698m	23.547	ug/l	
77) Bromobenzene	12.53	156	62236	22.109	ug/l	99
78) n-propylbenzene	12.59	91	355338	21.773	ug/l	100
79) 2-Chlorotoluene	12.67	91	210500	22.968	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	239541	22.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17636	20.626	ug/l	92
82) 4-Chlorotoluene	12.77	91	218315	23.540	ug/l	98
83) tert-Butylbenzene	12.99	119	202033	22.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	243512	23.086	ug/l	99
85) sec-Butylbenzene	13.17	105	289439	22.286	ug/l	99
86) p-Isopropyltoluene	13.29	119	237125	22.510	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111084	21.587	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	107205	20.469	ug/l	98
89) n-Butylbenzene	13.61	91	218214	21.441	ug/l	99
90) Hexachloroethane	13.87	117	37746	20.555	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	104948	22.249	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10013	33.463	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	38952	22.873	ug/l	93
94) Hexachlorobutadiene	15.01	225	20526	20.580	ug/l	98
95) Naphthalene	15.14	128	91316	20.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	32393	20.947	ug/l	99

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

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