

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN054999.D
 Acq On : 12 Apr 2019 15:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:57:59 PM

Quant Time: Apr 13 03:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	631134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	26119	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
35) Dibromofluoromethane	7.59	113	21240	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	10.09	98	73433	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
62) 4-Bromofluorobenzene	12.40	95	24502	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	20775	4.355	ug/l	97
3) Chloromethane	2.06	50	29206	4.644	ug/l	97
4) Vinyl Chloride	2.19	62	25399	4.658	ug/l	98
5) Bromomethane	2.56	94	15320	4.911	ug/l	97
6) Chloroethane	2.70	64	13751	4.506	ug/l	97
7) Trichlorofluoromethane	3.02	101	32582	4.898	ug/l	93
8) Diethyl Ether	3.41	74	9612	4.508	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	17215	4.890	ug/l	100
10) Methyl Iodide	3.94	142	21163	4.265	ug/l #	91
11) Tert butyl alcohol	4.83	59	7078m	24.972	ug/l	
12) 1,1-Dichloroethene	3.73	96	16567	4.756	ug/l	87
13) Acrolein	3.60	56	9761	26.364	ug/l #	56
14) Allyl chloride	4.32	41	35836	4.580	ug/l	95
15) Acrylonitrile	5.00	53	40457	24.215	ug/l	99
16) Acetone	3.82	43	35000	23.373	ug/l	93
17) Carbon Disulfide	4.04	76	47582	4.290	ug/l	98
18) Methyl Acetate	4.33	43	21826	5.385	ug/l #	83
19) Methyl tert-butyl Ether	5.05	73	54875	4.759	ug/l	95
20) Methylene Chloride	4.55	84	25840	5.232	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	20085	4.567	ug/l	88
22) Diisopropyl ether	5.96	45	72949	4.523	ug/l	91
23) Vinyl Acetate	5.90	43	239063	21.275	ug/l	99
24) 1,1-Dichloroethane	5.84	63	42004	4.791	ug/l	99
25) 2-Butanone	6.85	43	48382	23.953	ug/l	99
26) 2,2-Dichloropropane	6.82	77	26596	4.355	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	23994	4.790	ug/l	98
28) Bromochloromethane	7.19	49	21658	5.231	ug/l	93
29) Tetrahydrofuran	7.22	42	33194	24.857	ug/l	98
30) Chloroform	7.37	83	39105	4.700	ug/l	100
31) Cyclohexane	7.64	56	45545	4.552	ug/l #	91
32) 1,1,1-Trichloroethane	7.56	97	31172	4.458	ug/l	97
36) 1,1-Dichloropropene	7.79	75	29971	4.862	ug/l	97
37) Ethyl Acetate	6.94	43	20536	4.740	ug/l	96
38) Carbon Tetrachloride	7.77	117	26934	4.540	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	32625	4.803	ug/l	97
40) Benzene	8.04	78	89324	5.007	ug/l	99
41) Methacrylonitrile	7.17	41	13716m	5.553	ug/l	
42) 1,2-Dichloroethane	8.12	62	32507	5.174	ug/l	99
43) Isopropyl Acetate	8.17	43	33669	4.619	ug/l	97
44) Trichloroethene	8.83	130	23349	5.114	ug/l	99
45) 1,2-Dichloropropane	9.12	63	26027	5.235	ug/l	98
46) Dibromomethane	9.21	93	14080	4.953	ug/l	99
47) Bromodichloromethane	9.40	83	27527	4.645	ug/l	98
48) Methyl methacrylate	9.20	41	16387	4.471	ug/l	95
49) 1,4-Dioxane	9.21	88	3744	99.241	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	99848	24.417	ug/l	97
52) Toluene	10.15	92	52303	4.982	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	22219	4.086	ug/l	92
54) cis-1,3-Dichloropropene	9.84	75	28319	4.256	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	19242	5.007	ug/l	97
56) Ethyl methacrylate	10.43	69	21929	4.381	ug/l	98
57) 1,3-Dichloropropane	10.71	76	32306	4.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	41924	21.312	ug/l	99
59) 2-Hexanone	10.75	43	61013	23.989	ug/l	97
60) Dibromochloromethane	10.90	129	17341	4.337	ug/l	97
61) 1,2-Dibromoethane	11.00	107	17510	4.859	ug/l	93
64) Tetrachloroethene	10.63	164	22941	5.165	ug/l	97
65) Chlorobenzene	11.43	112	52786	4.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	18696	4.571	ug/l	94
67) Ethyl Benzene	11.51	91	97699	4.854	ug/l	98
68) m/p-Xylenes	11.62	106	72151	9.796	ug/l	96
69) o-Xylene	11.95	106	34306	4.783	ug/l	98
70) Styrene	11.96	104	53389	4.635	ug/l	99
71) Bromoform	12.13	173	10287	4.155	ug/l #	97
73) Isopropylbenzene	12.25	105	90147	5.252	ug/l	99
74) N-amyl acetate	12.07	43	24045	5.003	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	23643	5.526	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	20061m	5.430	ug/l	
77) Bromobenzene	12.53	156	21648	5.201	ug/l	99
78) n-propylbenzene	12.59	91	97903	5.176	ug/l	98
79) 2-Chlorotoluene	12.67	91	60675	5.176	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	74266	5.272	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	3646	4.136	ug/l #	76
82) 4-Chlorotoluene	12.77	91	57751	5.209	ug/l	100
83) tert-Butylbenzene	12.99	119	64969	5.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	70730	5.194	ug/l	99
85) sec-Butylbenzene	13.17	105	82692	5.321	ug/l	99
86) p-Isopropyltoluene	13.29	119	68587	5.127	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	35502	5.145	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	33374	5.074	ug/l	94
89) n-Butylbenzene	13.61	91	48082	4.529	ug/l	99
90) Hexachloroethane	13.87	117	11357	5.104	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	35538	5.230	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2788	4.682	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	10468	3.504	ug/l	93
94) Hexachlorobutadiene	15.01	225	12960	5.692	ug/l	98
95) Naphthalene	15.13	128	23517	3.564	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	12402	3.995	ug/l	99

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

