

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055586.D
 Acq On : 14 May 2019 11:32
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:44 PM

Quant Time: May 15 07:04:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	704824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1227658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1039008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	329880	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	46562	4.42	ug/l	0.00
Spiked Amount			Recovery	=	8.84%	
35) Dibromofluoromethane	7.59	113	37144	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	
50) Toluene-d8	10.09	98	134932	4.37	ug/l	0.00
Spiked Amount			Recovery	=	8.74%	
62) 4-Bromofluorobenzene	12.40	95	41885	4.07	ug/l	0.00
Spiked Amount			Recovery	=	8.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	38184	5.306	ug/l	99
3) Chloromethane	2.06	50	58479	5.051	ug/l	99
4) Vinyl Chloride	2.18	62	56606	5.142	ug/l	98
5) Bromomethane	2.54	94	36272	5.960	ug/l	94
6) Chloroethane	2.69	64	35080	5.421	ug/l	100
7) Trichlorofluoromethane	3.01	101	64654	5.348	ug/l	96
8) Diethyl Ether	3.41	74	27306	5.030	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39861	5.180	ug/l	97
10) Methyl Iodide	3.94	142	42367	4.096	ug/l	99
11) Tert butyl alcohol	4.81	59	30227	20.092	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	39283	5.090	ug/l	98
13) Acrolein	3.60	56	36101	33.320	ug/l	99
14) Allyl chloride	4.32	41	72391	4.639	ug/l	97
15) Acrylonitrile	4.99	53	108132	22.776	ug/l	98
16) Acetone	3.82	43	105440	21.728	ug/l	100
17) Carbon Disulfide	4.04	76	106938	5.047	ug/l	100
18) Methyl Acetate	4.33	43	50743	4.279	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	120410	4.749	ug/l	97
20) Methylene Chloride	4.54	84	48957	4.897	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	42472	5.068	ug/l	94
22) Diisopropyl ether	5.96	45	149312	4.715	ug/l	98
23) Vinyl Acetate	5.90	43	533930	21.909	ug/l	99
24) 1,1-Dichloroethane	5.85	63	82308	4.776	ug/l	98
25) 2-Butanone	6.84	43	140939	21.327	ug/l	97
26) 2,2-Dichloropropane	6.82	77	53343	4.972	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	48278	5.011	ug/l	98
28) Bromochloromethane	7.19	49	38831	4.405	ug/l	97
29) Tetrahydrofuran	7.22	42	94077	21.515	ug/l	98
30) Chloroform	7.37	83	79130	4.973	ug/l	95
31) Cyclohexane	7.65	56	91554	5.366	ug/l #	85
32) 1,1,1-Trichloroethane	7.57	97	61116	5.027	ug/l	100
36) 1,1-Dichloropropene	7.79	75	58613	4.872	ug/l	99
37) Ethyl Acetate	6.94	43	55830	4.339	ug/l	99
38) Carbon Tetrachloride	7.77	117	49822	4.890	ug/l	95

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

39) Methylcyclohexane	9.08	83	69824	4.763	ug/l	98
40) Benzene	8.04	78	184249	4.940	ug/l	98
41) Methacrylonitrile	7.17	41	24686	4.144	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	60460	4.631	ug/l	99
43) Isopropyl Acetate	8.17	43	84124	4.317	ug/l	99
44) Trichloroethene	8.83	130	43823	4.904	ug/l	94
45) 1,2-Dichloropropane	9.12	63	52026	4.886	ug/l	100
46) Dibromomethane	9.21	93	29200	4.735	ug/l	97
47) Bromodichloromethane	9.40	83	54896	4.634	ug/l	96
48) Methyl methacrylate	9.20	41	41082	4.362	ug/l	97
49) 1,4-Dioxane	9.20	88	15120	82.916	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	273229	21.421	ug/l	98
52) Toluene	10.15	92	101114	4.737	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	48648	4.296	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	60599	4.463	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	41419	4.799	ug/l	97
56) Ethyl methacrylate	10.43	69	55312	4.353	ug/l	99
57) 1,3-Dichloropropane	10.71	76	70816	4.638	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	63994	18.274	ug/l	100
59) 2-Hexanone	10.75	43	182939	20.481	ug/l	99
60) Dibromochloromethane	10.90	129	36143	4.603	ug/l	98
61) 1,2-Dibromoethane	11.01	107	38408	4.645	ug/l	98
64) Tetrachloroethene	10.63	164	41347	4.867	ug/l	99
65) Chlorobenzene	11.43	112	105673	4.953	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	35899	4.872	ug/l	95
67) Ethyl Benzene	11.51	91	187047	4.693	ug/l	96
68) m/p-Xylenes	11.62	106	134123	9.350	ug/l	100
69) o-Xylene	11.95	106	66200	4.702	ug/l	99
70) Styrene	11.96	104	100268	4.456	ug/l	100
71) Bromoform	12.13	173	21672	4.392	ug/l #	94
73) Isopropylbenzene	12.25	105	171362	5.316	ug/l	99
74) N-amyl acetate	12.07	43	55045	4.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56195	5.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	44866m	5.082	ug/l	
77) Bromobenzene	12.53	156	39506	5.436	ug/l	97
78) n-propylbenzene	12.59	91	174743	4.966	ug/l	99
79) 2-Chlorotoluene	12.67	91	115706	5.285	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	134446	5.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	11958	5.020	ug/l	91
82) 4-Chlorotoluene	12.77	91	106034	5.121	ug/l	98
83) tert-Butylbenzene	12.99	119	118216	5.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	114779	4.779	ug/l	98
85) sec-Butylbenzene	13.17	105	148355	4.983	ug/l	100
86) p-Isopropyltoluene	13.29	119	111877	4.618	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	57485	5.138	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	53886	4.875	ug/l	92
89) n-Butylbenzene	13.61	91	76503	4.115	ug/l	98
90) Hexachloroethane	13.87	117	20953	5.295	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	55317	4.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6782	4.575	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	14756	3.897	ug/l	97
94) Hexachlorobutadiene	15.01	225	19229	4.795	ug/l	96
95) Naphthalene	15.13	128	44337	4.007	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	16562	3.731	ug/l	98

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

