

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055283.D
 Acq On : 29 Apr 2019 10:16
 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
 4/30/2019 11:58:49 AM

Quant Time: Apr 30 04:03:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	436580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	684632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	574129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170226	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	28371	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
35) Dibromofluoromethane	7.59	113	23798	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
50) Toluene-d8	10.09	98	82579	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	24733	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	23902	4.315	ug/l	98
3) Chloromethane	2.06	50	31189	4.599	ug/l	99
4) Vinyl Chloride	2.19	62	25184	4.638	ug/l	96
5) Bromomethane	2.56	94	14198	4.479	ug/l	98
6) Chloroethane	2.70	64	14416	4.996	ug/l	99
7) Trichlorofluoromethane	3.02	101	38754	5.202	ug/l	97
8) Diethyl Ether	3.41	74	12852	4.837	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	23202	4.992	ug/l	92
10) Methyl Iodide	3.95	142	30225	4.669	ug/l	98
11) Tert butyl alcohol	4.80	59	8283m	24.236	ug/l	
12) 1,1-Dichloroethene	3.74	96	21681	4.893	ug/l	94
13) Acrolein	3.61	56	5640	13.277	ug/l #	78
14) Allyl chloride	4.33	41	43007	4.860	ug/l	96
15) Acrylonitrile	5.00	53	45537	24.249	ug/l	99
16) Acetone	3.82	43	45184	24.147	ug/l	99
17) Carbon Disulfide	4.05	76	54357	4.428	ug/l	98
18) Methyl Acetate	4.33	43	25336	4.751	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	59874	4.837	ug/l	100
20) Methylene Chloride	4.55	84	28012	5.029	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	23980	5.158	ug/l	91
22) Diisopropyl ether	5.95	45	86585	4.893	ug/l	92
23) Vinyl Acetate	5.90	43	273169	23.127	ug/l	98
24) 1,1-Dichloroethane	5.85	63	48907	5.170	ug/l	97
25) 2-Butanone	6.84	43	56346	22.792	ug/l	100
26) 2,2-Dichloropropane	6.82	77	31665	4.919	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	27506	5.110	ug/l	97
28) Bromochloromethane	7.20	49	23184	4.804	ug/l	95
29) Tetrahydrofuran	7.22	42	36986	24.050	ug/l	99
30) Chloroform	7.37	83	45982	5.104	ug/l	95
31) Cyclohexane	7.66	56	51180	4.726	ug/l #	87
32) 1,1,1-Trichloroethane	7.57	97	35932	4.974	ug/l	98
36) 1,1-Dichloropropene	7.79	75	31906	5.088	ug/l	99
37) Ethyl Acetate	6.93	43	23533	4.648	ug/l #	95
38) Carbon Tetrachloride	7.77	117	31125	5.262	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	36515	4.890	ug/l	98
40) Benzene	8.04	78	97956	5.031	ug/l	97
41) Methacrylonitrile	7.18	41	12116	4.552	ug/l	93
42) 1,2-Dichloroethane	8.13	62	36046	5.305	ug/l	100
43) Isopropyl Acetate	8.17	43	38853	4.714	ug/l	94
44) Trichloroethene	8.83	130	24167	4.922	ug/l	98
45) 1,2-Dichloropropane	9.12	63	28013	5.083	ug/l	99
46) Dibromomethane	9.21	93	15552	4.956	ug/l	99
47) Bromodichloromethane	9.40	83	33213	5.263	ug/l	99
48) Methyl methacrylate	9.20	41	20701	5.150	ug/l	95
49) 1,4-Dioxane	9.20	88	4400	97.029	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	114766	24.206	ug/l	99
52) Toluene	10.16	92	56426	4.968	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	26448	4.569	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	33684	4.689	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	20269	4.812	ug/l	93
56) Ethyl methacrylate	10.43	69	24816	4.744	ug/l	97
57) 1,3-Dichloropropane	10.71	76	36072	4.929	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	30860	19.115	ug/l	100
59) 2-Hexanone	10.75	43	70383	23.782	ug/l	96
60) Dibromochloromethane	10.90	129	19984	4.600	ug/l	95
61) 1,2-Dibromoethane	11.01	107	18860	4.783	ug/l	98
64) Tetrachloroethene	10.63	164	25680	5.527	ug/l	95
65) Chlorobenzene	11.43	112	57028	4.910	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	22276	5.151	ug/l	98
67) Ethyl Benzene	11.51	91	105366	5.089	ug/l	99
68) m/p-Xylenes	11.62	106	74563	10.074	ug/l	95
69) o-Xylene	11.95	106	36196	4.923	ug/l	97
70) Styrene	11.96	104	52369	4.605	ug/l	96
71) Bromoform	12.13	173	11752	4.596	ug/l #	100
73) Isopropylbenzene	12.25	105	97108	5.922	ug/l	98
74) N-amyl acetate	12.07	43	21769	4.965	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	23676	5.474	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	21243m	6.079	ug/l	
77) Bromobenzene	12.53	156	22330	5.957	ug/l	95
78) n-propylbenzene	12.59	91	98398	5.754	ug/l	100
79) 2-Chlorotoluene	12.67	91	62523	5.790	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	74542	5.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5010	5.489	ug/l	89
82) 4-Chlorotoluene	12.77	91	54974	5.557	ug/l	98
83) tert-Butylbenzene	12.99	119	69194	6.064	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	62689	5.218	ug/l	100
85) sec-Butylbenzene	13.17	105	81533	5.648	ug/l	99
86) p-Isopropyltoluene	13.29	119	62703	5.280	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	29463	5.148	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	28403	5.090	ug/l	96
89) n-Butylbenzene	13.61	91	41012	4.689	ug/l	100
90) Hexachloroethane	13.87	117	12082	5.705	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	30245	5.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2323	4.506	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	6776	3.320	ug/l	94
94) Hexachlorobutadiene	15.01	225	12032	5.672	ug/l	94
95) Naphthalene	15.13	128	15091	3.511	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	7116	3.358	ug/l	91

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

