

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061004.D
 Acq On : 16 Apr 2020 11:33
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:57 AM

Quant Time: Apr 16 13:06:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	162961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	273374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	11849	5.43	ug/l	0.00
Spiked Amount			Recovery	=	10.86%	
35) Dibromofluoromethane	7.56	113	8489	5.22	ug/l	0.00
Spiked Amount			Recovery	=	10.44%	
50) Toluene-d8	10.08	98	35560	5.46	ug/l	0.00
Spiked Amount			Recovery	=	10.92%	
62) 4-Bromofluorobenzene	12.39	95	13036	5.37	ug/l	0.00
Spiked Amount			Recovery	=	10.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	8034	4.806	ug/l	97
3) Chloromethane	2.04	50	14593	4.945	ug/l	97
4) Vinyl Chloride	2.17	62	12398	5.332	ug/l	99
5) Bromomethane	2.54	94	6152	5.935	ug/l	99
6) Chloroethane	2.68	64	7041	5.256	ug/l	99
7) Trichlorofluoromethane	3.00	101	15496	5.392	ug/l	97
8) Diethyl Ether	3.38	74	6531	5.682	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	9558	5.772	ug/l	99
10) Methyl Iodide	3.93	142	7216	4.846	ug/l	98
11) Tert butyl alcohol	4.72	59	9554	28.346	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	9572	5.411	ug/l	96
13) Acrolein	3.57	56	8586	24.460	ug/l	96
14) Allyl chloride	4.29	41	18851	5.988	ug/l	95
15) Acrylonitrile	4.94	53	26808	27.444	ug/l	98
16) Acetone	3.78	43	23690	28.792	ug/l	99
17) Carbon Disulfide	4.03	76	29744	5.513	ug/l	100
18) Methyl Acetate	4.29	43	14605	6.221	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	34119	5.591	ug/l	98
20) Methylene Chloride	4.52	84	10802	5.519	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	10483	5.561	ug/l	93
22) Diisopropyl ether	5.91	45	37630	5.686	ug/l #	92
23) Vinyl Acetate	5.86	43	148832	27.717	ug/l	99
24) 1,1-Dichloroethane	5.81	63	20527	5.692	ug/l	99
25) 2-Butanone	6.80	43	36324	27.762	ug/l	100
26) 2,2-Dichloropropane	6.79	77	16759	5.815	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	11926	5.552	ug/l	98
28) Bromochloromethane	7.17	49	9333	5.437	ug/l #	100
29) Tetrahydrofuran	7.18	42	25721	28.026	ug/l	98
30) Chloroform	7.34	83	19424	5.634	ug/l	98
31) Cyclohexane	7.63	56	23011	6.299	ug/l #	81
32) 1,1,1-Trichloroethane	7.54	97	16651	5.624	ug/l	100
36) 1,1-Dichloropropene	7.77	75	14788	5.543	ug/l	99
37) Ethyl Acetate	6.89	43	17631	6.085	ug/l #	93
38) Carbon Tetrachloride	7.75	117	12031	5.063	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	18145	5.700	ug/l	98
40) Benzene	8.02	78	45823	5.696	ug/l	99
41) Methacrylonitrile	7.13	41	5574	4.503	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	15365	5.582	ug/l	97
43) Isopropyl Acetate	8.14	43	26562	5.574	ug/l	98
44) Trichloroethene	8.81	130	11682	5.788	ug/l	99
45) 1,2-Dichloropropane	9.10	63	12189	5.731	ug/l	96
46) Dibromomethane	9.19	93	7337	5.734	ug/l	98
47) Bromodichloromethane	9.38	83	14862	5.569	ug/l	98
48) Methyl methacrylate	9.18	41	11044	5.194	ug/l	98
49) 1,4-Dioxane	9.18	88	2968	115.914	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	75793	27.902	ug/l	100
52) Toluene	10.14	92	26804	5.522	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	16579	5.405	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	18943	5.616	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	10490	5.618	ug/l	98
56) Ethyl methacrylate	10.42	69	14649	5.026	ug/l	96
57) 1,3-Dichloropropane	10.70	76	18157	5.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	35313	25.397	ug/l	99
59) 2-Hexanone	10.74	43	53637	27.421	ug/l	98
60) Dibromochloromethane	10.89	129	10162	5.287	ug/l	100
61) 1,2-Dibromoethane	10.99	107	10161	5.430	ug/l	98
64) Tetrachloroethene	10.62	164	10654	5.553	ug/l	96
65) Chlorobenzene	11.42	112	27232	5.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	9656	5.466	ug/l	98
67) Ethyl Benzene	11.50	91	51122	5.625	ug/l	99
68) m/p-Xylenes	11.61	106	36811	10.944	ug/l	99
69) o-Xylene	11.94	106	17907	5.578	ug/l	99
70) Styrene	11.96	104	26892	5.117	ug/l	100
71) Bromoform	12.12	173	6708	5.095	ug/l #	99
73) Isopropylbenzene	12.24	105	48019	5.936	ug/l	99
74) N-amyl acetate	12.06	43	20867	5.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	14366	5.842	ug/l	98
76) 1,2,3-Trichloropropane	12.54	75	14205m	6.120	ug/l	
77) Bromobenzene	12.52	156	10989	5.659	ug/l	98
78) n-propylbenzene	12.58	91	55751	5.814	ug/l	98
79) 2-Chlorotoluene	12.67	91	32983	5.780	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	39154	5.699	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	4819	5.304	ug/l	96
82) 4-Chlorotoluene	12.77	91	33416	5.736	ug/l	99
83) tert-Butylbenzene	12.99	119	33387	5.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	38344	5.646	ug/l	98
85) sec-Butylbenzene	13.17	105	44415	5.784	ug/l	99
86) p-Isopropyltoluene	13.28	119	39163	5.677	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	19508	5.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	19599	5.683	ug/l	97
89) n-Butylbenzene	13.61	91	36154	5.776	ug/l	98
90) Hexachloroethane	13.87	117	6119	6.084	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	18481	5.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2732	4.958	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	9797	4.871	ug/l	98
94) Hexachlorobutadiene	15.00	225	5890	5.924	ug/l	99
95) Naphthalene	15.13	128	28338	4.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	10018	5.055	ug/l	98

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

