

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059688.D
 Acq On : 13 Jan 2020 14:06
 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
 1/14/2020 10:59:41 AM

Quant Time: Jan 14 08:46:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	259304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	117235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	10975	3.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.94%	
35) Dibromofluoromethane	7.57	113	8967	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
50) Toluene-d8	10.08	98	34886	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.40	95	12534	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	8050	3.275	ug/l 99
3) Chloromethane	2.04	50	10402	2.667	ug/l 99
4) Vinyl Chloride	2.17	62	11042	2.986	ug/l 95
5) Bromomethane	2.54	94	7561	3.517	ug/l 93
6) Chloroethane	2.68	64	5784	2.783	ug/l 95
7) Trichlorofluoromethane	3.00	101	15496	3.819	ug/l 97
8) Diethyl Ether	3.38	74	5567	4.391	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	8811	4.309	ug/l 95
10) Methyl Iodide	3.93	142	12550	4.636	ug/l 93
11) Tert butyl alcohol	4.73	59	9074	17.884	ug/l # 91
12) 1,1-Dichloroethene	3.72	96	9192	4.608	ug/l 83
13) Acrolein	3.58	56	7123	19.708	ug/l 93
14) Allyl chloride	4.29	41	12650	3.089	ug/l # 84
15) Acrylonitrile	4.95	53	20565	16.756	ug/l 97
16) Acetone	3.78	43	20368	12.396	ug/l 96
17) Carbon Disulfide	4.03	76	26027	3.800	ug/l 97
18) Methyl Acetate	4.30	43	11463	3.329	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	29277	4.157	ug/l 95
20) Methylene Chloride	4.52	84	11479	4.837	ug/l # 85
21) trans-1,2-Dichloroethene	5.01	96	9755	4.386	ug/l 86
22) Diisopropyl ether	5.91	45	26819	3.552	ug/l # 81
23) Vinyl Acetate	5.86	43	108945	18.388	ug/l # 94
24) 1,1-Dichloroethane	5.82	63	16868	3.944	ug/l 97
25) 2-Butanone	6.81	43	30740	15.645	ug/l 96
26) 2,2-Dichloropropane	6.79	77	16349	4.206	ug/l 96
27) cis-1,2-Dichloroethene	6.80	96	10860	4.407	ug/l 89
28) Bromochloromethane	7.17	49	6619	4.513	ug/l # 76
29) Tetrahydrofuran	7.18	42	18484	15.440	ug/l 89
30) Chloroform	7.35	83	17777	4.223	ug/l 96
31) Cyclohexane	7.63	56	18610	4.605	ug/l # 77
32) 1,1,1-Trichloroethane	7.55	97	16404	4.322	ug/l 95
36) 1,1-Dichloropropene	7.77	75	13030	4.246	ug/l 95
37) Ethyl Acetate	6.90	43	10820	3.033	ug/l # 94
38) Carbon Tetrachloride	7.75	117	14307	4.493	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	16022	4.603	ug/l	96
40) Benzene	8.02	78	39731	4.430	ug/l	100
41) Methacrylonitrile	7.15	41	5747m	3.904	ug/l	
42) 1,2-Dichloroethane	8.10	62	13340	3.884	ug/l	96
43) Isopropyl Acetate	8.14	43	20195	3.642	ug/l	96
44) Trichloroethene	8.82	130	10642	4.530	ug/l	94
45) 1,2-Dichloropropane	9.10	63	9917	4.095	ug/l	99
46) Dibromomethane	9.19	93	7039	4.436	ug/l	92
47) Bromodichloromethane	9.38	83	13394	4.234	ug/l	99
48) Methyl methacrylate	9.18	41	8904	3.539	ug/l	91
49) 1,4-Dioxane	9.18	88	3311	91.828	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	61580	18.624	ug/l	98
52) Toluene	10.14	92	24617	4.467	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	15066	4.118	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	15887	4.131	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	9877	4.568	ug/l	96
56) Ethyl methacrylate	10.42	69	14750	4.595	ug/l	93
57) 1,3-Dichloropropane	10.70	76	15525	4.123	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	19214	18.819	ug/l	93
59) 2-Hexanone	10.74	43	43603	16.732	ug/l	93
60) Dibromochloromethane	10.89	129	11171	4.733	ug/l	100
61) 1,2-Dibromoethane	11.00	107	9855	4.297	ug/l	96
64) Tetrachloroethene	10.62	164	11634	4.813	ug/l	94
65) Chlorobenzene	11.43	112	26354	4.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	10222	4.796	ug/l	96
67) Ethyl Benzene	11.50	91	47754	4.715	ug/l	96
68) m/p-Xylenes	11.61	106	35984	9.622	ug/l	96
69) o-Xylene	11.94	106	17519	4.923	ug/l	98
70) Styrene	11.96	104	29234	5.113	ug/l	96
71) Bromoform	12.12	173	7902	4.933	ug/l #	99
73) Isopropylbenzene	12.24	105	46715	5.076	ug/l	100
74) N-amyl acetate	12.06	43	17413	4.125	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	13625	4.667	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	10021m	3.453	ug/l	
77) Bromobenzene	12.52	156	11715	5.176	ug/l	80
78) n-propylbenzene	12.59	91	51042	4.692	ug/l	95
79) 2-Chlorotoluene	12.67	91	31742	4.825	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	39288	5.045	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4513	3.841	ug/l	96
82) 4-Chlorotoluene	12.77	91	30828	4.577	ug/l	96
83) tert-Butylbenzene	12.99	119	34056	5.164	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	38080	4.917	ug/l	97
85) sec-Butylbenzene	13.17	105	43854	4.999	ug/l	98
86) p-Isopropyltoluene	13.28	119	40220	5.062	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	19436	4.670	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	20195	4.813	ug/l	99
89) n-Butylbenzene	13.61	91	33057	4.437	ug/l	96
90) Hexachloroethane	13.87	117	7451	4.961	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	19862	4.839	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3002	3.492	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	11026	4.160	ug/l	99
94) Hexachlorobutadiene	15.01	225	6709	4.727	ug/l	98
95) Naphthalene	15.13	128	29619	3.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	10413	3.885	ug/l	97

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

