

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060567.D
 Acq On : 17 Mar 2020 19:58
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:46 PM

Quant Time: Mar 18 08:45:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	221891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	371605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	345502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168224	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	460995	157.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.94%	
35) Dibromofluoromethane	7.56	113	349153	189.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	379.12%	
50) Toluene-d8	10.08	98	1416192	158.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.18%	
62) 4-Bromofluorobenzene	12.40	95	530383	157.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	340393	163.943	ug/l	100
3) Chloromethane	2.03	50	596722	163.418	ug/l	100
4) Vinyl Chloride	2.16	62	475716	154.407	ug/l	99
5) Bromomethane	2.51	94	207299m	152.164	ug/l	
6) Chloroethane	2.67	64	276010	162.459	ug/l	100
7) Trichlorofluoromethane	3.00	101	583806	149.266	ug/l	99
8) Diethyl Ether	3.38	74	241266	161.671	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	339918	153.124	ug/l	100
10) Methyl Iodide	3.92	142	348724	174.295	ug/l	99
11) Tert butyl alcohol	4.73	59	337050	791.055	ug/l	99
12) 1,1-Dichloroethene	3.71	96	357584	150.606	ug/l	98
13) Acrolein	3.57	56	385713	941.365	ug/l	99
14) Allyl chloride	4.29	41	627169	158.139	ug/l	99
15) Acrylonitrile	4.94	53	1048909	914.176	ug/l	100
16) Acetone	3.78	43	819385	863.652	ug/l	99
17) Carbon Disulfide	4.03	76	1115936	162.261	ug/l	99
18) Methyl Acetate	4.28	43	474809	152.741	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	1229890	156.716	ug/l	98
20) Methylene Chloride	4.52	84	401267	155.944	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	382967	142.542	ug/l	94
22) Diisopropyl ether	5.91	45	1381907	169.003	ug/l	97
23) Vinyl Acetate	5.86	43	5604318	861.471	ug/l	98
24) 1,1-Dichloroethane	5.82	63	740715	161.280	ug/l	100
25) 2-Butanone	6.80	43	1383725	903.223	ug/l	100
26) 2,2-Dichloropropane	6.79	77	553672	135.892	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	437359	147.532	ug/l	100
28) Bromochloromethane	7.17	49	352274	179.472	ug/l	100
29) Tetrahydrofuran	7.18	42	957318	895.842	ug/l	100
30) Chloroform	7.35	83	700900	154.393	ug/l	99
31) Cyclohexane	7.63	56	710822	163.379	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	609445	151.751	ug/l	99
36) 1,1-Dichloropropene	7.77	75	563159	156.243	ug/l	99
37) Ethyl Acetate	6.90	43	591824	172.340	ug/l	98
38) Carbon Tetrachloride	7.75	117	516506	149.972	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	671025	158.032	ug/l	99
40) Benzene	8.02	78	1657954	158.308	ug/l	100
41) Methacrylonitrile	7.14	41	239117m	153.040	ug/l	
42) 1,2-Dichloroethane	8.10	62	565617	151.365	ug/l	99
43) Isopropyl Acetate	8.14	43	1002939	167.762	ug/l	100
44) Trichloroethene	8.82	130	419367	145.435	ug/l	98
45) 1,2-Dichloropropane	9.10	63	447318	163.602	ug/l	98
46) Dibromomethane	9.19	93	272074	154.575	ug/l	99
47) Bromodichloromethane	9.39	83	570886	159.560	ug/l	99
48) Methyl methacrylate	9.18	41	470324	172.746	ug/l	99
49) 1,4-Dioxane	9.18	88	107479	2847.337	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2826200	832.110	ug/l	97
52) Toluene	10.14	92	1023419	156.454	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	658714	150.481	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	707625	155.559	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	385224	147.206	ug/l	99
56) Ethyl methacrylate	10.42	69	671730	177.014	ug/l	99
57) 1,3-Dichloropropane	10.70	76	681697	158.862	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1619800	819.677	ug/l	100
59) 2-Hexanone	10.74	43	2121382	851.577	ug/l	98
60) Dibromochloromethane	10.89	129	425532	159.954	ug/l	100
61) 1,2-Dibromoethane	11.00	107	405884	158.645	ug/l	100
64) Tetrachloroethene	10.62	164	398852	130.510	ug/l	99
65) Chlorobenzene	11.43	112	1045549	149.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	384075	149.245	ug/l	98
67) Ethyl Benzene	11.50	91	1942764	151.597	ug/l	98
68) m/p-Xylenes	11.62	106	1455912	301.269	ug/l	96
69) o-Xylene	11.94	106	700046	152.016	ug/l	99
70) Styrene	11.96	104	1209538	159.902	ug/l	100
71) Bromoform	12.12	173	317684	170.210	ug/l #	99
73) Isopropylbenzene	12.25	105	1830826	145.516	ug/l	99
74) N-amyl acetate	12.06	43	911409	163.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	563766	162.418	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	523969m	142.491	ug/l	
77) Bromobenzene	12.52	156	451765	146.985	ug/l	99
78) n-propylbenzene	12.59	91	2185216	147.828	ug/l	99
79) 2-Chlorotoluene	12.67	91	1308596	150.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1581422	149.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	220490	163.004	ug/l	99
82) 4-Chlorotoluene	12.77	91	1360231	148.535	ug/l	100
83) tert-Butylbenzene	12.99	119	1305444	143.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1585733	148.508	ug/l	99
85) sec-Butylbenzene	13.17	105	1767678	144.564	ug/l	99
86) p-Isopropyltoluene	13.28	119	1603767	142.015	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	807548	140.447	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	805351	140.377	ug/l	99
89) n-Butylbenzene	13.61	91	1494200	144.213	ug/l	99
90) Hexachloroethane	13.87	117	258902	158.625	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	763401	141.990	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	118887	153.260	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	506903	133.934	ug/l	99
94) Hexachlorobutadiene	15.01	225	226507	126.065	ug/l	99
95) Naphthalene	15.13	128	1535125	140.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	481106	135.082	ug/l	100

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

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