

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061432.D
 Acq On : 18 May 2020 14:06
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:45 PM

Quant Time: May 18 18:22:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	333386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	603431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	566280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	273040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	240370	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	161027	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.06	98	743579	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.37	95	280966	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	129596	46.750	ug/l	98
3) Chloromethane	2.03	50	196953	43.560	ug/l	100
4) Vinyl Chloride	2.16	62	288758	44.624	ug/l	99
5) Bromomethane	2.54	94	159180	48.528	ug/l	98
6) Chloroethane	2.67	64	189818	43.582	ug/l	100
7) Trichlorofluoromethane	2.98	101	347722	44.262	ug/l	96
8) Diethyl Ether	3.37	74	104110	45.497	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	152663	46.730	ug/l	99
10) Methyl Iodide	3.91	142	183336	46.204	ug/l	99
11) Tert butyl alcohol	4.73	59	122458	213.600	ug/l	99
12) 1,1-Dichloroethene	3.70	96	153055	44.788	ug/l	96
13) Acrolein	3.56	56	89302	215.673	ug/l	98
14) Allyl chloride	4.27	41	257471	46.296	ug/l	99
15) Acrylonitrile	4.93	53	392685	231.193	ug/l	100
16) Acetone	3.77	43	326123	256.499	ug/l	99
17) Carbon Disulfide	4.01	76	368793	50.316	ug/l	99
18) Methyl Acetate	4.27	43	160216	46.887	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	594049	45.808	ug/l	100
20) Methylene Chloride	4.50	84	181091	44.285	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	182346	46.275	ug/l	99
22) Diisopropyl ether	5.90	45	582127	46.580	ug/l	99
23) Vinyl Acetate	5.84	43	2356135	237.085	ug/l	99
24) 1,1-Dichloroethane	5.80	63	338281	46.408	ug/l	99
25) 2-Butanone	6.78	43	518405	228.831	ug/l	99
26) 2,2-Dichloropropane	6.77	77	325240	46.805	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	217949	46.824	ug/l	99
28) Bromochloromethane	7.15	49	150961	48.791	ug/l	99
29) Tetrahydrofuran	7.16	42	331322	220.831	ug/l	99
30) Chloroform	7.33	83	363265	47.714	ug/l	100
31) Cyclohexane	7.61	56	307397	47.781	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	328575	47.229	ug/l	99
36) 1,1-Dichloropropene	7.75	75	273009	48.385	ug/l	99
37) Ethyl Acetate	6.88	43	222872	43.555	ug/l	99
38) Carbon Tetrachloride	7.73	117	255424	49.163	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	333048	48.327	ug/l	99
40) Benzene	8.00	78	809245	47.592	ug/l	99
41) Methacrylonitrile	7.13	41	107948	49.947	ug/l	96
42) 1,2-Dichloroethane	8.09	62	290153	47.363	ug/l	100
43) Isopropyl Acetate	8.12	43	411828	46.145	ug/l	99
44) Trichloroethene	8.80	130	218421	49.024	ug/l	99
45) 1,2-Dichloropropane	9.08	63	202446	47.566	ug/l	99
46) Dibromomethane	9.18	93	143197	47.994	ug/l	99
47) Bromodichloromethane	9.37	83	302651	48.144	ug/l	97
48) Methyl methacrylate	9.17	41	185753	45.055	ug/l	98
49) 1,4-Dioxane	9.17	88	37984	871.077	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1152415	237.037	ug/l	100
52) Toluene	10.12	92	529585	48.512	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	342928	49.771	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	355636	48.555	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	201748	48.882	ug/l	99
56) Ethyl methacrylate	10.40	69	317967	49.279	ug/l	100
57) 1,3-Dichloropropane	10.68	76	345628	48.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	671695	237.162	ug/l	99
59) 2-Hexanone	10.72	43	832078	236.559	ug/l	99
60) Dibromochloromethane	10.87	129	229374	50.242	ug/l	100
61) 1,2-Dibromoethane	10.98	107	211330	48.699	ug/l	100
64) Tetrachloroethene	10.60	164	209006	47.707	ug/l	97
65) Chlorobenzene	11.41	112	553976	47.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	204774	49.464	ug/l	98
67) Ethyl Benzene	11.48	91	1046873	49.664	ug/l	100
68) m/p-Xylenes	11.59	106	793364	99.157	ug/l	100
69) o-Xylene	11.92	106	380541	49.148	ug/l	100
70) Styrene	11.94	104	653743	50.987	ug/l	99
71) Bromoform	12.10	173	149172	46.485	ug/l #	100
73) Isopropylbenzene	12.22	105	1032905	47.123	ug/l	100
74) N-amyl acetate	12.04	43	368159	45.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	275763	45.727	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	257692m	43.984	ug/l	
77) Bromobenzene	12.50	156	226239	47.559	ug/l	98
78) n-propylbenzene	12.56	91	1204671	48.235	ug/l	99
79) 2-Chlorotoluene	12.65	91	693968	47.010	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	875621	48.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	103404	46.820	ug/l	98
82) 4-Chlorotoluene	12.75	91	735177	48.096	ug/l	100
83) tert-Butylbenzene	12.97	119	740585	48.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	872961	48.601	ug/l	99
85) sec-Butylbenzene	13.15	105	1012117	48.687	ug/l	99
86) p-Isopropyltoluene	13.26	119	919160	49.794	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	426630	49.004	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	425804	48.837	ug/l	99
89) n-Butylbenzene	13.59	91	839450	50.056	ug/l	100
90) Hexachloroethane	13.85	117	124588	49.800	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	403506	48.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	56719	46.560	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	235627	52.036	ug/l	99
94) Hexachlorobutadiene	14.98	225	97820	48.619	ug/l	99
95) Naphthalene	15.10	128	737617	51.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	223571	49.597	ug/l	99

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

