

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061009.D
 Acq On : 16 Apr 2020 14:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:20 AM

Quant Time: Apr 17 03:54:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	294465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	104822	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.56	113	83160	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.08	98	301837	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.39	95	119507	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	120038	51.470	ug/l	100
3) Chloromethane	2.04	50	153074	48.923	ug/l	99
4) Vinyl Chloride	2.17	62	131623	50.621	ug/l	100
5) Bromomethane	2.54	94	67735	51.947	ug/l	99
6) Chloroethane	2.68	64	78408	52.275	ug/l	99
7) Trichlorofluoromethane	3.00	101	169380	52.325	ug/l	99
8) Diethyl Ether	3.38	74	66006	51.304	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96184	50.645	ug/l	99
10) Methyl Iodide	3.93	142	93711	55.931	ug/l	99
11) Tert butyl alcohol	4.72	59	90743	226.593	ug/l	100
12) 1,1-Dichloroethene	3.72	96	98099	50.815	ug/l	98
13) Acrolein	3.57	56	78179	231.208	ug/l	99
14) Allyl chloride	4.29	41	179937	49.261	ug/l	98
15) Acrylonitrile	4.94	53	276993	255.101	ug/l	98
16) Acetone	3.78	43	258261	259.961	ug/l	99
17) Carbon Disulfide	4.03	76	305817	50.624	ug/l	99
18) Methyl Acetate	4.28	43	156931	50.375	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	338326	50.261	ug/l	97
20) Methylene Chloride	4.52	84	109499	50.482	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	105798	51.238	ug/l	97
22) Diisopropyl ether	5.91	45	382436	50.412	ug/l	99
23) Vinyl Acetate	5.86	43	1509511	253.745	ug/l	100
24) 1,1-Dichloroethane	5.81	63	207538	50.652	ug/l	100
25) 2-Butanone	6.79	43	380987	250.263	ug/l	99
26) 2,2-Dichloropropane	6.79	77	176954	51.869	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	119729	50.507	ug/l	100
28) Bromochloromethane	7.17	49	90306	48.016	ug/l	100
29) Tetrahydrofuran	7.17	42	249548	241.458	ug/l	99
30) Chloroform	7.34	83	194107	50.791	ug/l	97
31) Cyclohexane	7.63	56	204512	48.642	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	167030	50.529	ug/l	99
36) 1,1-Dichloropropene	7.77	75	156321	51.445	ug/l	100
37) Ethyl Acetate	6.89	43	158684	48.094	ug/l	99
38) Carbon Tetrachloride	7.75	117	135688	53.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	190606	52.468	ug/l	99
40) Benzene	8.02	78	456828	50.677	ug/l	100
41) Methacrylonitrile	7.15	41	78050m	56.714	ug/l	
42) 1,2-Dichloroethane	8.10	62	157862	51.406	ug/l	100
43) Isopropyl Acetate	8.14	43	270588	50.425	ug/l	99
44) Trichloroethene	8.81	130	114264	50.445	ug/l	100
45) 1,2-Dichloropropane	9.10	63	123699	50.804	ug/l	98
46) Dibromomethane	9.19	93	74431	53.020	ug/l	99
47) Bromodichloromethane	9.38	83	153691	51.824	ug/l	98
48) Methyl methacrylate	9.18	41	122761	51.767	ug/l	99
49) 1,4-Dioxane	9.18	88	29415	894.793	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	784781	253.695	ug/l	100
52) Toluene	10.14	92	275931	51.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	182312	52.923	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	196383	52.248	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	105617	51.607	ug/l	97
56) Ethyl methacrylate	10.42	69	171693	53.351	ug/l	100
57) 1,3-Dichloropropane	10.69	76	184991	50.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	372674	254.850	ug/l	100
59) 2-Hexanone	10.74	43	574002	257.296	ug/l	99
60) Dibromochloromethane	10.89	129	110174	52.406	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107288	51.447	ug/l	100
64) Tetrachloroethene	10.62	164	103863	50.515	ug/l	99
65) Chlorobenzene	11.42	112	279830	50.448	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	101537	51.165	ug/l	99
67) Ethyl Benzene	11.50	91	531886	50.977	ug/l	98
68) m/p-Xylenes	11.61	106	387725	102.823	ug/l	100
69) o-Xylene	11.94	106	186498	51.440	ug/l	100
70) Styrene	11.96	104	311397	53.351	ug/l	99
71) Bromoform	12.12	173	78759	53.169	ug/l #	100
73) Isopropylbenzene	12.24	105	502941	49.692	ug/l	100
74) N-amyl acetate	12.06	43	231120	49.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152280	49.289	ug/l	100
76) 1,2,3-Trichloropropane	12.54	75	143219m	51.540	ug/l	
77) Bromobenzene	12.52	156	116795	49.425	ug/l	99
78) n-propylbenzene	12.58	91	604019	51.009	ug/l	99
79) 2-Chlorotoluene	12.67	91	346023	49.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	424967	50.798	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55928	49.644	ug/l	98
82) 4-Chlorotoluene	12.77	91	364621	50.621	ug/l	99
83) tert-Butylbenzene	12.99	119	354901	50.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	424033	51.277	ug/l	100
85) sec-Butylbenzene	13.17	105	485671	50.948	ug/l	100
86) p-Isopropyltoluene	13.28	119	436115	51.377	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	211702	50.269	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	210662	49.723	ug/l	99
89) n-Butylbenzene	13.61	91	411554	52.137	ug/l	100
90) Hexachloroethane	13.87	117	67032	51.470	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	201614	50.160	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31315	52.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	128406	53.974	ug/l	100
94) Hexachlorobutadiene	15.00	225	62358	50.952	ug/l	100
95) Naphthalene	15.13	128	371896	53.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121565	53.023	ug/l	100

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

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