

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060258.D
 Acq On : 26 Feb 2020 17:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 9:41:02 AM

Quant Time: Feb 27 05:57:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	139940	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	7.57	113	95138	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	10.08	98	412490	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	159807	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95714	46.849	ug/l	99
3) Chloromethane	2.04	50	173361	71.304	ug/l	100
4) Vinyl Chloride	2.16	62	142737	51.506	ug/l	99
5) Bromomethane	2.54	94	47850	28.159	ug/l	99
6) Chloroethane	2.68	64	75157	53.619	ug/l	96
7) Trichlorofluoromethane	3.00	101	179009	50.101	ug/l	99
8) Diethyl Ether	3.39	74	67697	56.919	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100345	50.585	ug/l	97
10) Methyl Iodide	3.93	142	89426	34.363	ug/l	98
11) Tert butyl alcohol	4.73	59	105904	284.547	ug/l	100
12) 1,1-Dichloroethene	3.72	96	101250	52.394	ug/l	96
13) Acrolein	3.58	56	95795	260.396	ug/l	96
14) Allyl chloride	4.30	41	171299	60.226	ug/l	92
15) Acrylonitrile	4.94	53	282519	310.828	ug/l	100
16) Acetone	3.78	43	238577	219.914	ug/l	96
17) Carbon Disulfide	4.03	76	274198	47.075	ug/l	98
18) Methyl Acetate	4.29	43	146438	71.856	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	366274	56.361	ug/l	98
20) Methylene Chloride	4.52	84	116306	53.736	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	108474	51.494	ug/l	96
22) Diisopropyl ether	5.92	45	375545	60.246	ug/l	93
23) Vinyl Acetate	5.86	43	1558440	297.713	ug/l	97
24) 1,1-Dichloroethane	5.82	63	212090	56.165	ug/l	98
25) 2-Butanone	6.80	43	376191	275.717	ug/l	93
26) 2,2-Dichloropropane	6.80	77	178263	49.701	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	128533	52.137	ug/l	97
28) Bromochloromethane	7.17	49	82169	55.349	ug/l	89
29) Tetrahydrofuran	7.18	42	253491	302.842	ug/l	94
30) Chloroform	7.35	83	210400	53.190	ug/l	98
31) Cyclohexane	7.63	56	185293	52.675	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	187412	51.846	ug/l	99
36) 1,1-Dichloropropene	7.77	75	156044	50.299	ug/l	98
37) Ethyl Acetate	6.90	43	159567	56.911	ug/l	99
38) Carbon Tetrachloride	7.75	117	157533	46.756	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180525	46.877	ug/l	94
40) Benzene	8.02	78	464083	50.429	ug/l	99
41) Methacrylonitrile	7.15	41	66902m	56.898	ug/l	
42) 1,2-Dichloroethane	8.10	62	169073	52.419	ug/l	99
43) Isopropyl Acetate	8.14	43	276671	57.726	ug/l	97
44) Trichloroethene	8.82	130	127237	49.933	ug/l	95
45) 1,2-Dichloropropane	9.10	63	124855	54.801	ug/l	98
46) Dibromomethane	9.19	93	79743	49.528	ug/l	98
47) Bromodichloromethane	9.39	83	164093	50.130	ug/l	97
48) Methyl methacrylate	9.18	41	124217	57.765	ug/l	94
49) 1,4-Dioxane	9.18	88	36144	983.736	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	813457	293.223	ug/l	98
52) Toluene	10.14	92	293241	49.691	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	192668	52.145	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	202865	52.141	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	117227	50.918	ug/l	98
56) Ethyl methacrylate	10.42	69	181523	55.736	ug/l	96
57) 1,3-Dichloropropane	10.70	76	197449	51.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	457843	301.755	ug/l	96
59) 2-Hexanone	10.74	43	606871	283.189	ug/l	97
60) Dibromochloromethane	10.89	129	124925	47.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	120034	49.736	ug/l	99
64) Tetrachloroethene	10.62	164	129205	54.171	ug/l	97
65) Chlorobenzene	11.43	112	309974	48.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	117797	48.713	ug/l	99
67) Ethyl Benzene	11.51	91	575279	49.899	ug/l	99
68) m/p-Xylenes	11.62	106	429472	99.254	ug/l	98
69) o-Xylene	11.94	106	209246	50.225	ug/l	98
70) Styrene	11.96	104	349151	51.970	ug/l	99
71) Bromoform	12.12	173	88469	45.486	ug/l #	99
73) Isopropylbenzene	12.25	105	564268	46.696	ug/l	99
74) N-amyl acetate	12.07	43	253436	58.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	161873	46.540	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	147104m	47.514	ug/l	
77) Bromobenzene	12.52	156	138200	46.084	ug/l	93
78) n-propylbenzene	12.59	91	663400	48.186	ug/l	99
79) 2-Chlorotoluene	12.67	91	386380	47.747	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	481998	47.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64317	50.866	ug/l	99
82) 4-Chlorotoluene	12.77	91	404727	48.749	ug/l	97
83) tert-Butylbenzene	12.99	119	413692	46.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	484412	48.842	ug/l	100
85) sec-Butylbenzene	13.17	105	559396	47.524	ug/l	99
86) p-Isopropyltoluene	13.28	119	508530	47.683	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	250112	47.117	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250099	47.124	ug/l	99
89) n-Butylbenzene	13.61	91	468690	49.965	ug/l	99
90) Hexachloroethane	13.87	117	72290	36.283	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	241590	46.505	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36322	49.100	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162653	53.287	ug/l	100
94) Hexachlorobutadiene	15.01	225	73096	40.905	ug/l	99
95) Naphthalene	15.13	128	493577	59.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	153509	50.501	ug/l	100

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

