

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061011.D
 Acq On : 16 Apr 2020 14:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:25 AM

Quant Time: Apr 17 04:10:13 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	162880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	272176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115923	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	100615	48.28	ug/l	0.00
Spiked Amount						
			Recovery	=	96.56%	
35) Dibromofluoromethane	7.56	113	78866	49.62	ug/l	0.00
Spiked Amount						
			Recovery	=	99.24%	
50) Toluene-d8	10.08	98	276920	46.10	ug/l	0.00
Spiked Amount						
			Recovery	=	92.20%	
62) 4-Bromofluorobenzene	12.39	95	111865	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	108924	50.591	ug/l	99
3) Chloromethane	2.04	50	142574	49.353	ug/l	100
4) Vinyl Chloride	2.17	62	118039	49.169	ug/l	100
5) Bromomethane	2.55	94	62697	52.079	ug/l	99
6) Chloroethane	2.69	64	72581	52.411	ug/l	99
7) Trichlorofluoromethane	3.00	101	153382	51.320	ug/l	99
8) Diethyl Ether	3.38	74	64855	54.597	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88195	50.296	ug/l	100
10) Methyl Iodide	3.93	142	86942	56.202	ug/l	99
11) Tert butyl alcohol	4.72	59	89307	241.536	ug/l	100
12) 1,1-Dichloroethene	3.72	96	89410	50.162	ug/l	99
13) Acrolein	3.57	56	75018	240.293	ug/l	99
14) Allyl chloride	4.29	41	164621	48.813	ug/l	100
15) Acrylonitrile	4.94	53	271194	270.512	ug/l	99
16) Acetone	3.77	43	222644	242.730	ug/l	99
17) Carbon Disulfide	4.03	76	280648	50.318	ug/l	99
18) Methyl Acetate	4.28	43	153014	53.199	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	334103	53.758	ug/l	98
20) Methylene Chloride	4.52	84	105262	52.561	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	98658	51.750	ug/l	97
22) Diisopropyl ether	5.91	45	374860	53.519	ug/l	98
23) Vinyl Acetate	5.85	43	1477776	269.050	ug/l	100
24) 1,1-Dichloroethane	5.81	63	195478	51.673	ug/l	100
25) 2-Butanone	6.79	43	361552	257.229	ug/l	100
26) 2,2-Dichloropropane	6.79	77	159264	50.563	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	114969	52.528	ug/l	99
28) Bromochloromethane	7.17	49	87555	50.421	ug/l	98
29) Tetrahydrofuran	7.18	42	244406	256.131	ug/l	99
30) Chloroform	7.34	83	185530	52.580	ug/l	99
31) Cyclohexane	7.63	56	182426	46.994	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	154658	50.673	ug/l	99
36) 1,1-Dichloropropene	7.77	75	142759	50.829	ug/l	99
37) Ethyl Acetate	6.89	43	154957	50.811	ug/l	99
38) Carbon Tetrachloride	7.75	117	123583	52.862	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	174310	51.911	ug/l	98
40) Benzene	8.02	78	428501	51.427	ug/l	100
41) Methacrylonitrile	7.14	41	72116m	56.694	ug/l	
42) 1,2-Dichloroethane	8.10	62	155724	54.863	ug/l	100
43) Isopropyl Acetate	8.14	43	265219	53.472	ug/l	99
44) Trichloroethene	8.81	130	107992	51.581	ug/l	99
45) 1,2-Dichloropropane	9.10	63	120262	53.437	ug/l	100
46) Dibromomethane	9.19	93	72916	56.194	ug/l	100
47) Bromodichloromethane	9.38	83	148714	54.252	ug/l	99
48) Methyl methacrylate	9.18	41	118817	54.207	ug/l	99
49) 1,4-Dioxane	9.18	88	29371	965.519	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	767132	268.298	ug/l	100
52) Toluene	10.14	92	258413	51.697	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	177510	55.749	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	190154	54.734	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	103884	54.918	ug/l	98
56) Ethyl methacrylate	10.41	69	169539	56.996	ug/l	99
57) 1,3-Dichloropropane	10.69	76	182815	54.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	351284	259.895	ug/l	99
59) 2-Hexanone	10.74	43	547947	265.731	ug/l	100
60) Dibromochloromethane	10.89	129	107544	55.344	ug/l	100
61) 1,2-Dibromoethane	10.99	107	105933	54.957	ug/l	99
64) Tetrachloroethene	10.62	164	97969	51.442	ug/l	99
65) Chlorobenzene	11.42	112	266006	51.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	97916	53.269	ug/l	99
67) Ethyl Benzene	11.50	91	499176	51.651	ug/l	99
68) m/p-Xylenes	11.61	106	365644	104.688	ug/l	100
69) o-Xylene	11.94	106	177272	52.789	ug/l	99
70) Styrene	11.96	104	298605	55.233	ug/l	99
71) Bromoform	12.12	173	77479	56.469	ug/l #	100
73) Isopropylbenzene	12.24	105	467793	50.370	ug/l	99
74) N-amyl acetate	12.06	43	228824	52.983	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	148553	52.400	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	137050m	53.749	ug/l	
77) Bromobenzene	12.52	156	111635	51.483	ug/l	100
78) n-propylbenzene	12.58	91	562643	51.781	ug/l	99
79) 2-Chlorotoluene	12.67	91	327839	51.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.72	105	400637	52.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	53709	51.955	ug/l	99
82) 4-Chlorotoluene	12.77	91	341857	51.723	ug/l	100
83) tert-Butylbenzene	12.99	119	325893	50.480	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	398217	52.480	ug/l	100
85) sec-Butylbenzene	13.17	105	449095	51.341	ug/l	100
86) p-Isopropyltoluene	13.28	119	409968	52.633	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	199536	51.635	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	201142	51.738	ug/l	99
89) n-Butylbenzene	13.61	91	384947	53.145	ug/l	99
90) Hexachloroethane	13.87	117	61782	51.698	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	193967	52.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30025	54.724	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.90	180	120838	55.354	ug/l	99
94) Hexachlorobutadiene	15.00	225	58474	52.069	ug/l	100
95) Naphthalene	15.13	128	343780	53.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	113396	53.901	ug/l	100

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

