

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059922.D
 Acq On : 29 Jan 2020 19:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:22:01 AM

Quant Time: Jan 30 02:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	184176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	290888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	102638	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
35) Dibromofluoromethane	7.57	113	86448	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
50) Toluene-d8	10.08	98	321796	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.40	95	117596	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	96687	44.469	ug/l	100
3) Chloromethane	2.04	50	95218	45.157	ug/l	97
4) Vinyl Chloride	2.17	62	126844	52.576	ug/l	98
5) Bromomethane	2.53	94	75171	51.056	ug/l	99
6) Chloroethane	2.68	64	59349	51.997	ug/l	97
7) Trichlorofluoromethane	3.00	101	147137	50.783	ug/l	98
8) Diethyl Ether	3.38	74	53924	53.033	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83783	51.956	ug/l	92
10) Methyl Iodide	3.93	142	136832	52.496	ug/l	95
11) Tert butyl alcohol	4.73	59	81702	237.286	ug/l	98
12) 1,1-Dichloroethene	3.72	96	82971	49.241	ug/l	89
13) Acrolein	3.58	56	79459	326.004	ug/l	97
14) Allyl chloride	4.30	41	114974	50.623	ug/l #	87
15) Acrylonitrile	4.95	53	212030	269.958	ug/l	100
16) Acetone	3.78	43	188505	271.062	ug/l	96
17) Carbon Disulfide	4.03	76	206348	42.989	ug/l	98
18) Methyl Acetate	4.29	43	137005	57.347	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	297200	54.096	ug/l	95
20) Methylene Chloride	4.52	84	95286	51.533	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	90134	50.322	ug/l	90
22) Diisopropyl ether	5.92	45	267034	51.882	ug/l #	95
23) Vinyl Acetate	5.86	43	862721	216.492	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	163938	52.128	ug/l	98
25) 2-Butanone	6.80	43	271062	234.027	ug/l #	89
26) 2,2-Dichloropropane	6.80	77	147274	48.710	ug/l	93
27) cis-1,2-Dichloroethene	6.80	96	110436	53.606	ug/l	86
28) Bromochloromethane	7.17	49	61865	49.217	ug/l #	73
29) Tetrahydrofuran	7.18	42	175069	244.293	ug/l #	86
30) Chloroform	7.35	83	177091	54.347	ug/l	100
31) Cyclohexane	7.63	56	132051	43.636	ug/l	90
32) 1,1,1-Trichloroethane	7.55	97	159536	52.952	ug/l	96
36) 1,1-Dichloropropene	7.77	75	123549	48.773	ug/l	96
37) Ethyl Acetate	6.90	43	115217	48.494	ug/l #	96
38) Carbon Tetrachloride	7.75	117	141513	51.356	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141193	45.204	ug/l	90
40) Benzene	8.02	78	379592	50.245	ug/l	99
41) Methacrylonitrile	7.15	41	51416m	43.936	ug/l	
42) 1,2-Dichloroethane	8.10	62	136585	53.323	ug/l	97
43) Isopropyl Acetate	8.14	43	201692	49.354	ug/l #	94
44) Trichloroethene	8.82	130	107928	52.332	ug/l	93
45) 1,2-Dichloropropane	9.10	63	97867	52.351	ug/l	99
46) Dibromomethane	9.19	93	69628	52.800	ug/l	91
47) Bromodichloromethane	9.39	83	142687	53.694	ug/l	99
48) Methyl methacrylate	9.18	41	87824	48.046	ug/l	87
49) 1,4-Dioxane	9.18	88	33817	1010.583	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	588761	249.227	ug/l	94
52) Toluene	10.14	92	244804	51.301	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	158837	53.530	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	167011	53.493	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	103051	54.525	ug/l	97
56) Ethyl methacrylate	10.42	69	147654	51.129	ug/l	92
57) 1,3-Dichloropropane	10.70	76	162755	54.242	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	232665	267.480	ug/l	90
59) 2-Hexanone	10.74	43	425554	244.522	ug/l	93
60) Dibromochloromethane	10.89	129	119317	55.439	ug/l	100
61) 1,2-Dibromoethane	10.99	107	107312	54.173	ug/l	98
64) Tetrachloroethene	10.62	164	139528	64.037	ug/l	97
65) Chlorobenzene	11.43	112	272376	51.834	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	108919	53.644	ug/l	98
67) Ethyl Benzene	11.50	91	479644	50.282	ug/l	98
68) m/p-Xylenes	11.62	106	365321	101.386	ug/l	93
69) o-Xylene	11.94	106	179594	50.911	ug/l	94
70) Styrene	11.96	104	296909	50.298	ug/l	97
71) Bromoform	12.12	173	89835	55.236	ug/l #	98
73) Isopropylbenzene	12.24	105	477503	50.712	ug/l	99
74) N-amyl acetate	12.06	43	175695	48.087	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	143712	52.648	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	127680m	59.094	ug/l	
77) Bromobenzene	12.52	156	124732	52.310	ug/l	82
78) n-propylbenzene	12.59	91	533305	50.462	ug/l	97
79) 2-Chlorotoluene	12.67	91	321059	51.066	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	397768	50.231	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	51884	51.569	ug/l	93
82) 4-Chlorotoluene	12.77	91	325027	51.542	ug/l	96
83) tert-Butylbenzene	12.99	119	341513	49.865	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	397120	50.691	ug/l	98
85) sec-Butylbenzene	13.17	105	450579	50.074	ug/l	98
86) p-Isopropyltoluene	13.28	119	416252	49.994	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	218501	52.753	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	213999	51.790	ug/l	98
89) n-Butylbenzene	13.61	91	350489	49.371	ug/l	98
90) Hexachloroethane	13.87	117	78721	50.534	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	214485	52.380	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29473	50.318	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	123392	50.150	ug/l	98
94) Hexachlorobutadiene	15.01	225	65012	47.948	ug/l	98
95) Naphthalene	15.13	128	340881	48.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	119376	49.845	ug/l	99

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

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