

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011720\
 Data File : VN059774.D
 Acq On : 17 Jan 2020 20:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:12:13 AM

Quant Time: Jan 18 02:03:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	281130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101126	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.56	113	87248	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.08	98	332128	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	118480	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113097	53.260	ug/l	99
3) Chloromethane	2.04	50	104519	50.655	ug/l	100
4) Vinyl Chloride	2.17	62	132124	55.966	ug/l	97
5) Bromomethane	2.54	94	77325	53.671	ug/l	99
6) Chloroethane	2.68	64	61226	54.817	ug/l	99
7) Trichlorofluoromethane	3.00	101	156166	55.081	ug/l	100
8) Diethyl Ether	3.38	74	54158	54.431	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88708	56.217	ug/l	92
10) Methyl Iodide	3.93	142	135939	53.297	ug/l	96
11) Tert butyl alcohol	4.73	59	88705	263.274	ug/l	98
12) 1,1-Dichloroethene	3.72	96	87544	53.094	ug/l	88
13) Acrolein	3.58	56	54636	229.076	ug/l	97
14) Allyl chloride	4.29	41	106089	47.735	ug/l #	85
15) Acrylonitrile	4.94	53	208685	271.525	ug/l	100
16) Acetone	3.78	43	179402	263.344	ug/l	96
17) Carbon Disulfide	4.03	76	236843	50.424	ug/l	99
18) Methyl Acetate	4.29	43	122000	52.186	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	289363	53.825	ug/l	95
20) Methylene Chloride	4.52	84	100751	55.790	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	93470	53.329	ug/l	83
22) Diisopropyl ether	5.91	45	266088	52.832	ug/l	96
23) Vinyl Acetate	5.86	43	1038810	266.396	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	162892	52.931	ug/l	98
25) 2-Butanone	6.80	43	272161	240.128	ug/l	91
26) 2,2-Dichloropropane	6.80	77	145591	49.210	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108679	53.910	ug/l	87
28) Bromochloromethane	7.17	49	63162	51.351	ug/l #	72
29) Tetrahydrofuran	7.18	42	179405	255.834	ug/l #	87
30) Chloroform	7.35	83	173078	54.280	ug/l	99
31) Cyclohexane	7.63	56	142750	48.206	ug/l	87
32) 1,1,1-Trichloroethane	7.55	97	161164	54.665	ug/l	96
36) 1,1-Dichloropropene	7.77	75	127802	52.203	ug/l	95
37) Ethyl Acetate	6.90	43	113475	49.419	ug/l #	95
38) Carbon Tetrachloride	7.75	117	141589	53.167	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	155056	51.366	ug/l	90
40) Benzene	8.02	78	381140	52.201	ug/l	100
41) Methacrylonitrile	7.15	41	52354m	46.290	ug/l	
42) 1,2-Dichloroethane	8.10	62	132964	53.711	ug/l	97
43) Isopropyl Acetate	8.14	43	199016	50.390	ug/l #	94
44) Trichloroethene	8.82	130	109803	55.089	ug/l	92
45) 1,2-Dichloropropane	9.10	63	95487	52.851	ug/l	97
46) Dibromomethane	9.19	93	69931	54.870	ug/l	91
47) Bromodichloromethane	9.39	83	139228	54.210	ug/l	98
48) Methyl methacrylate	9.18	41	88980	50.368	ug/l	90
49) 1,4-Dioxane	9.18	88	34845	1077.447	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	583950	255.771	ug/l	94
52) Toluene	10.14	92	248763	53.940	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	152554	53.197	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	162185	53.751	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	97630	53.450	ug/l	97
56) Ethyl methacrylate	10.42	69	146831	52.608	ug/l	91
57) 1,3-Dichloropropane	10.70	76	159768	55.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242336	288.269	ug/l	90
59) 2-Hexanone	10.74	43	429139	255.141	ug/l	94
60) Dibromochloromethane	10.89	129	115118	55.344	ug/l	100
61) 1,2-Dibromoethane	10.99	107	104522	54.596	ug/l	99
64) Tetrachloroethene	10.62	164	104585	49.642	ug/l	96
65) Chlorobenzene	11.43	112	269297	53.002	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105925	53.955	ug/l	99
67) Ethyl Benzene	11.50	91	481450	52.199	ug/l	97
68) m/p-Xylenes	11.61	106	364003	104.478	ug/l	95
69) o-Xylene	11.94	106	177652	52.084	ug/l	95
70) Styrene	11.96	104	301261	52.782	ug/l	97
71) Bromoform	12.12	173	85826	54.577	ug/l #	98
73) Isopropylbenzene	12.24	105	479301	51.799	ug/l	100
74) N-amyl acetate	12.06	43	174827	48.692	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	138699	51.706	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	119875m	56.458	ug/l	
77) Bromobenzene	12.52	156	123355	52.643	ug/l	80
78) n-propylbenzene	12.59	91	531728	51.199	ug/l	96
79) 2-Chlorotoluene	12.67	91	311765	50.461	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	403018	51.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	48887	49.445	ug/l	95
82) 4-Chlorotoluene	12.77	91	321746	51.920	ug/l	95
83) tert-Butylbenzene	12.99	119	348598	51.795	ug/l	94
84) 1,2,4-Trimethylbenzene	13.03	105	401688	52.176	ug/l	98
85) sec-Butylbenzene	13.17	105	455790	51.545	ug/l	99
86) p-Isopropyltoluene	13.28	119	415270	50.754	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	213583	52.474	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	212122	52.240	ug/l	97
89) n-Butylbenzene	13.61	91	352361	50.508	ug/l	98
90) Hexachloroethane	13.87	117	77857	50.859	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	211941	52.670	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29681	51.619	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	127657	52.796	ug/l	99
94) Hexachlorobutadiene	15.00	225	66432	49.858	ug/l	98
95) Naphthalene	15.13	128	351076	51.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121710	51.714	ug/l	98

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

