

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059887.D
 Acq On : 28 Jan 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 11:04:06 AM

Quant Time: Jan 28 12:42:40 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	208008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	315324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101795	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.56	113	87332	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	10.08	98	330537	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	12.40	95	121689	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104812	42.662	ug/l	96
3) Chloromethane	2.04	50	97740	41.043	ug/l	99
4) Vinyl Chloride	2.17	62	126428	46.400	ug/l	97
5) Bromomethane	2.53	94	78674	47.313	ug/l	98
6) Chloroethane	2.68	64	59255	45.966	ug/l	97
7) Trichlorofluoromethane	3.00	101	153607	46.942	ug/l	98
8) Diethyl Ether	3.38	74	54737	47.664	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90116	49.481	ug/l	92
10) Methyl Iodide	3.93	142	137636	46.754	ug/l	95
11) Tert butyl alcohol	4.72	59	89091	229.100	ug/l	100
12) 1,1-Dichloroethene	3.72	96	85791	45.081	ug/l	87
13) Acrolein	3.57	56	56716	206.034	ug/l	97
14) Allyl chloride	4.29	41	117365	45.755	ug/l #	85
15) Acrylonitrile	4.94	53	212382	239.425	ug/l	99
16) Acetone	3.78	43	242673	310.432	ug/l	93
17) Carbon Disulfide	4.03	76	217742	40.165	ug/l	100
18) Methyl Acetate	4.28	43	129266	47.908	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	298358	48.085	ug/l	95
20) Methylene Chloride	4.52	84	96750	46.195	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	93054	46.000	ug/l	88
22) Diisopropyl ether	5.91	45	272566	46.889	ug/l #	95
23) Vinyl Acetate	5.86	43	1063028	236.194	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	168109	47.330	ug/l	97
25) 2-Butanone	6.80	43	304476	232.757	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	161660	47.343	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	111902	48.094	ug/l	88
28) Bromochloromethane	7.17	49	66651	46.950	ug/l #	73
29) Tetrahydrofuran	7.17	42	179537	221.825	ug/l #	86
30) Chloroform	7.35	83	178708	48.560	ug/l	98
31) Cyclohexane	7.63	56	140877	41.219	ug/l	89
32) 1,1,1-Trichloroethane	7.54	97	163332	48.001	ug/l	96
36) 1,1-Dichloropropene	7.77	75	126593	46.102	ug/l	95
37) Ethyl Acetate	6.89	43	116146	45.097	ug/l	96
38) Carbon Tetrachloride	7.75	117	144816	48.482	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	155097	45.808	ug/l	91
40) Benzene	8.02	78	384891	46.999	ug/l	100
41) Methacrylonitrile	7.15	41	53403m	42.097	ug/l	
42) 1,2-Dichloroethane	8.10	62	134971	48.609	ug/l	96
43) Isopropyl Acetate	8.14	43	205016	46.280	ug/l #	94
44) Trichloroethene	8.81	130	113316	50.686	ug/l	92
45) 1,2-Dichloropropane	9.10	63	98999	48.853	ug/l	100
46) Dibromomethane	9.19	93	70201	49.109	ug/l	91
47) Bromodichloromethane	9.38	83	144209	50.061	ug/l	100
48) Methyl methacrylate	9.18	41	89309	45.072	ug/l	89
49) 1,4-Dioxane	9.18	88	37073	1022.029	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	593005	231.571	ug/l	94
52) Toluene	10.14	92	250615	48.448	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	161154	50.102	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	169731	50.152	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	101724	49.652	ug/l	98
56) Ethyl methacrylate	10.42	69	148543	47.450	ug/l	92
57) 1,3-Dichloropropane	10.70	76	163429	50.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	225152	238.784	ug/l #	90
59) 2-Hexanone	10.74	43	453710	240.497	ug/l	93
60) Dibromochloromethane	10.89	129	118900	50.964	ug/l	100
61) 1,2-Dibromoethane	10.99	107	107591	50.105	ug/l	98
64) Tetrachloroethene	10.62	164	114715	49.510	ug/l	96
65) Chlorobenzene	11.43	112	279527	50.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	110205	51.041	ug/l	98
67) Ethyl Benzene	11.50	91	497988	49.093	ug/l	97
68) m/p-Xylenes	11.62	106	377564	98.536	ug/l	94
69) o-Xylene	11.94	106	182830	48.738	ug/l	96
70) Styrene	11.96	104	305416	48.654	ug/l	96
71) Bromoform	12.12	173	91437	52.868	ug/l #	99
73) Isopropylbenzene	12.24	105	494986	47.709	ug/l	99
74) N-amyl acetate	12.06	43	179251	44.525	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	141278	46.972	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	130504m	54.817	ug/l	
77) Bromobenzene	12.52	156	128024	48.727	ug/l	81
78) n-propylbenzene	12.59	91	559133	48.015	ug/l	97
79) 2-Chlorotoluene	12.67	91	330647	47.729	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	419975	48.132	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	53883	48.604	ug/l	93
82) 4-Chlorotoluene	12.77	91	339260	48.825	ug/l	96
83) tert-Butylbenzene	12.99	119	359177	47.596	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	422157	48.905	ug/l	99
85) sec-Butylbenzene	13.17	105	477292	48.139	ug/l	99
86) p-Isopropyltoluene	13.28	119	442883	48.275	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	226198	49.563	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	226722	49.797	ug/l	97
89) n-Butylbenzene	13.61	91	383512	49.029	ug/l	98
90) Hexachloroethane	13.87	117	83045	48.381	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	221459	49.084	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30107	46.490	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136635	50.398	ug/l	99
94) Hexachlorobutadiene	15.01	225	74192	49.660	ug/l	98
95) Naphthalene	15.13	128	363568	47.147	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130774	49.556	ug/l	99

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

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