

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
 Data File : VN064188.D
 Acq On : 17 Oct 2020 00:39
 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
 10/19/2020 4:23:15 PM

Quant Time: Oct 17 03:20:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	496015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	856387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	781225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	371981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	393928	55.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.52%	
35) Dibromofluoromethane	7.55	113	292946	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
50) Toluene-d8	10.06	98	1129983	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.38	95	383554	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	238857	51.111	ug/l	99
3) Chloromethane	2.03	50	317031	54.465	ug/l	99
4) Vinyl Chloride	2.16	62	351330	48.490	ug/l	96
5) Bromomethane	2.54	94	289771	53.293	ug/l	96
6) Chloroethane	2.68	64	250491	43.486	ug/l	96
7) Trichlorofluoromethane	2.99	101	466954	46.857	ug/l	99
8) Diethyl Ether	3.37	74	165097	52.953	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	250654	51.237	ug/l	98
10) Methyl Iodide	3.91	142	312170	45.263	ug/l	99
11) Tert butyl alcohol	4.76	59	175842	224.810	ug/l	97
12) 1,1-Dichloroethene	3.70	96	232178	46.997	ug/l	91
13) Acrolein	3.58	56	41408	64.452	ug/l	94
14) Allyl chloride	4.28	41	409097	53.073	ug/l	98
15) Acrylonitrile	4.94	53	595533	265.172	ug/l	99
16) Acetone	3.79	43	546999	261.049	ug/l	97
17) Carbon Disulfide	4.01	76	709788	50.267	ug/l	100
18) Methyl Acetate	4.28	43	335673	63.862	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	750502	51.504	ug/l	99
20) Methylene Chloride	4.50	84	302358	46.634	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	274321	48.977	ug/l	89
22) Diisopropyl ether	5.90	45	880323	58.789	ug/l	96
23) Vinyl Acetate	5.84	43	3977929	297.398	ug/l	96
24) 1,1-Dichloroethane	5.80	63	548663	52.468	ug/l	99
25) 2-Butanone	6.79	43	849425	263.557	ug/l	96
26) 2,2-Dichloropropane	6.78	77	377119	43.347	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	309130	46.916	ug/l	94
28) Bromochloromethane	7.15	49	294413	59.111	ug/l #	100
29) Tetrahydrofuran	7.17	42	510173	270.850	ug/l	93
30) Chloroform	7.33	83	556232	49.930	ug/l	99
31) Cyclohexane	7.61	56	385297	49.337	ug/l	92
32) 1,1,1-Trichloroethane	7.53	97	475044	49.349	ug/l	97
36) 1,1-Dichloropropene	7.75	75	401968	48.697	ug/l	98
37) Ethyl Acetate	6.88	43	399356	54.515	ug/l	97
38) Carbon Tetrachloride	7.74	117	410791	46.281	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	344709	49.674	ug/l	93
40) Benzene	8.00	78	1212954	48.524	ug/l	99
41) Methacrylonitrile	7.12	41	187288	59.053	ug/l	89
42) 1,2-Dichloroethane	8.08	62	450161	50.613	ug/l	99
43) Isopropyl Acetate	8.13	43	915894	75.343	ug/l #	78
44) Trichloroethene	8.80	130	304963	46.396	ug/l	100
45) 1,2-Dichloropropane	9.08	63	345719	52.788	ug/l	98
46) Dibromomethane	9.17	93	222091	47.799	ug/l	97
47) Bromodichloromethane	9.37	83	459456	50.541	ug/l	99
48) Methyl methacrylate	9.16	41	329926	58.756	ug/l	93
49) 1,4-Dioxane	9.19	88	74294	871.325	ug/l #	95
51) 4-Methyl-2-Pentanone	9.95	43	2032213	282.517	ug/l	96
52) Toluene	10.13	92	738238	48.065	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	518561	55.595	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	503457	49.123	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	309981	48.717	ug/l	99
56) Ethyl methacrylate	10.40	69	461159	50.019	ug/l	89
57) 1,3-Dichloropropane	10.68	76	530904	50.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1239626	263.679	ug/l	96
59) 2-Hexanone	10.72	43	1503408	269.835	ug/l	95
60) Dibromochloromethane	10.87	129	335046	46.876	ug/l	98
61) 1,2-Dibromoethane	10.98	107	306537	47.331	ug/l	99
64) Tetrachloroethene	10.60	164	282263	47.923	ug/l	97
65) Chlorobenzene	11.41	112	780113	47.419	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	303770	48.635	ug/l	99
67) Ethyl Benzene	11.48	91	1414121	51.313	ug/l	99
68) m/p-Xylenes	11.59	106	1047823	92.401	ug/l	96
69) o-Xylene	11.92	106	486806	44.945	ug/l	98
70) Styrene	11.94	104	883211	47.233	ug/l	99
71) Bromoform	12.10	173	224542	43.690	ug/l	99
73) Isopropylbenzene	12.22	105	1270169	47.140	ug/l	99
74) N-amyl acetate	12.05	43	629262	62.362	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	428284	46.167	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	376364m	43.127	ug/l	
77) Bromobenzene	12.50	156	320189	43.772	ug/l	87
78) n-propylbenzene	12.57	91	1537073	51.110	ug/l	98
79) 2-Chlorotoluene	12.65	91	903206	47.222	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	1081583	50.010	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	142759	49.978	ug/l	97
82) 4-Chlorotoluene	12.75	91	977967	50.732	ug/l	96
83) tert-Butylbenzene	12.97	119	843625	47.166	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	1098979	48.757	ug/l	98
85) sec-Butylbenzene	13.14	105	1131175	49.196	ug/l	99
86) p-Isopropyltoluene	13.26	119	1031944	47.484	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	573259	47.035	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	582082	46.695	ug/l	98
89) n-Butylbenzene	13.59	91	944325	56.362	ug/l	98
90) Hexachloroethane	13.85	117	166514	43.514	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	568180	46.839	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	88979	49.835	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	320844	53.618	ug/l	98
94) Hexachlorobutadiene	14.98	225	143430	49.634	ug/l	98
95) Naphthalene	15.10	128	1012520	55.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	310931	52.239	ug/l	97

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

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