

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059747.D
 Acq On : 16 Jan 2020 21:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 1:52:38 PM

Quant Time: Jan 17 08:46:32 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	197439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135223	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	109044	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.46%		
35) Dibromofluoromethane	7.57	113	92662	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.48%		
50) Toluene-d8	10.08	98	353417	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.90%		
62) 4-Bromofluorobenzene	12.40	95	126149	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	116142	49.892	ug/l	97
3) Chloromethane	2.04	50	108885	48.170	ug/l	99
4) Vinyl Chloride	2.17	62	136795	52.892	ug/l	99
5) Bromomethane	2.53	94	80699	51.129	ug/l	99
6) Chloroethane	2.68	64	63013	51.498	ug/l	97
7) Trichlorofluoromethane	3.00	101	159948	51.496	ug/l	98
8) Diethyl Ether	3.38	74	56566	51.894	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89608	51.836	ug/l	91
10) Methyl Iodide	3.93	142	144767	51.809	ug/l	95
11) Tert butyl alcohol	4.73	59	87947	238.265	ug/l	99
12) 1,1-Dichloroethene	3.72	96	91012	50.384	ug/l	86
13) Acrolein	3.58	56	64433	246.597	ug/l	100
14) Allyl chloride	4.29	41	113311	46.539	ug/l #	85
15) Acrylonitrile	4.94	53	216648	257.308	ug/l	100
16) Acetone	3.78	43	171890	229.009	ug/l	95
17) Carbon Disulfide	4.03	76	246933	47.988	ug/l	100
18) Methyl Acetate	4.28	43	129540	50.580	ug/l #	91
19) Methyl tert-butyl Ether	5.00	73	299325	50.823	ug/l	95
20) Methylene Chloride	4.52	84	114910	58.137	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	96181	50.091	ug/l	88
22) Diisopropyl ether	5.91	45	274928	49.827	ug/l	97
23) Vinyl Acetate	5.86	43	1067744	249.942	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	167156	49.581	ug/l	98
25) 2-Butanone	6.80	43	281516	226.725	ug/l	92
26) 2,2-Dichloropropane	6.80	77	146214	45.111	ug/l	93
27) cis-1,2-Dichloroethene	6.80	96	111349	50.419	ug/l	87
28) Bromochloromethane	7.17	49	65324	48.478	ug/l #	73
29) Tetrahydrofuran	7.18	42	184478	240.130	ug/l #	87
30) Chloroform	7.35	83	178240	51.025	ug/l	100
31) Cyclohexane	7.63	56	149490	46.080	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	164986	51.082	ug/l	96
36) 1,1-Dichloropropene	7.77	75	131800	49.427	ug/l	95
37) Ethyl Acetate	6.90	43	119547	47.800	ug/l	96
38) Carbon Tetrachloride	7.75	117	146425	50.480	ug/l	98

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39) Methylcyclohexane	9.07	83	160841	48.918	ug/l	92
40) Benzene	8.02	78	396342	49.838	ug/l	99
41) Methacrylonitrile	7.15	41	50952m	41.361	ug/l	
42) 1,2-Dichloroethane	8.10	62	137479	50.987	ug/l	96
43) Isopropyl Acetate	8.14	43	206096	47.909	ug/l #	94
44) Trichloroethene	8.82	130	114344	52.669	ug/l	94
45) 1,2-Dichloropropane	9.10	63	100172	50.903	ug/l	100
46) Dibromomethane	9.19	93	71030	51.168	ug/l	90
47) Bromodichloromethane	9.39	83	143044	51.135	ug/l	99
48) Methyl methacrylate	9.18	41	93718	48.705	ug/l	90
49) 1,4-Dioxane	9.18	88	35312	1002.466	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	604524	243.098	ug/l	94
52) Toluene	10.14	92	255671	50.897	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	157738	50.500	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	166140	50.552	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	101548	51.042	ug/l	97
56) Ethyl methacrylate	10.42	69	152499	50.165	ug/l	91
57) 1,3-Dichloropropane	10.70	76	164426	52.057	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	264139	288.472	ug/l #	90
59) 2-Hexanone	10.74	43	443079	241.855	ug/l	94
60) Dibromochloromethane	10.89	129	118370	52.247	ug/l	100
61) 1,2-Dibromoethane	10.99	107	108147	51.863	ug/l	99
64) Tetrachloroethene	10.62	164	111869	49.346	ug/l	95
65) Chlorobenzene	11.43	112	278218	50.887	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	108634	51.422	ug/l	100
67) Ethyl Benzene	11.50	91	497548	50.131	ug/l	97
68) m/p-Xylenes	11.62	106	378684	101.007	ug/l	94
69) o-Xylene	11.94	106	184917	50.381	ug/l	94
70) Styrene	11.96	104	312187	50.830	ug/l	97
71) Bromoform	12.12	173	89857	53.100	ug/l #	99
73) Isopropylbenzene	12.24	105	498615	50.278	ug/l	99
74) N-amyl acetate	12.06	43	184305	47.894	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	141908	49.360	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125295m	55.059	ug/l	
77) Bromobenzene	12.52	156	127425	50.738	ug/l	81
78) n-propylbenzene	12.59	91	555212	49.880	ug/l	97
79) 2-Chlorotoluene	12.67	91	325901	49.216	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	414086	49.649	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	50367	47.530	ug/l	93
82) 4-Chlorotoluene	12.77	91	331709	49.942	ug/l	95
83) tert-Butylbenzene	12.99	119	356608	49.437	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	411914	49.922	ug/l	98
85) sec-Butylbenzene	13.17	105	471516	49.752	ug/l	98
86) p-Isopropyltoluene	13.28	119	436367	49.761	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	224829	51.537	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	221711	50.945	ug/l	97
89) n-Butylbenzene	13.61	91	372572	49.829	ug/l	98
90) Hexachloroethane	13.87	117	83612	50.960	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	218824	50.739	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31042	50.318	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	135613	52.331	ug/l	99
94) Hexachlorobutadiene	15.00	225	70836	49.603	ug/l	99
95) Naphthalene	15.13	128	379184	51.442	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129525	51.349	ug/l	99

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

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