

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011520\
 Data File : VN059709.D
 Acq On : 15 Jan 2020 9:47
 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
 1/16/2020 10:56:45 AM

Quant Time: Jan 16 03:57:07 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	207962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140769	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	106020	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
35) Dibromofluoromethane	7.56	113	92026	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.08	98	350775	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	126131	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	122416	49.927	ug/l	98
3) Chloromethane	2.04	50	113619	47.721	ug/l	100
4) Vinyl Chloride	2.17	62	139323	51.144	ug/l	99
5) Bromomethane	2.54	94	84429	50.785	ug/l	98
6) Chloroethane	2.68	64	64930	50.380	ug/l	100
7) Trichlorofluoromethane	3.00	101	162360	49.628	ug/l	98
8) Diethyl Ether	3.38	74	57462	50.048	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95131	52.246	ug/l	92
10) Methyl Iodide	3.93	142	142235	48.327	ug/l	94
11) Tert butyl alcohol	4.73	59	85846	220.805	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92400	48.564	ug/l	88
13) Acrolein	3.57	56	49533	179.980	ug/l	97
14) Allyl chloride	4.29	41	123403	48.119	ug/l #	88
15) Acrylonitrile	4.94	53	206907	233.304	ug/l	99
16) Acetone	3.78	43	206064	262.088	ug/l	95
17) Carbon Disulfide	4.03	76	263853	48.681	ug/l	99
18) Methyl Acetate	4.28	43	122040	45.240	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	300535	48.447	ug/l	96
20) Methylene Chloride	4.52	84	100624	48.109	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	99958	49.424	ug/l	89
22) Diisopropyl ether	5.91	45	284206	48.902	ug/l #	96
23) Vinyl Acetate	5.86	43	1106469	245.901	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	172692	48.631	ug/l	97
25) 2-Butanone	6.80	43	302908	231.610	ug/l	92
26) 2,2-Dichloropropane	6.79	77	167758	49.139	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	114212	49.098	ug/l	88
28) Bromochloromethane	7.17	49	64676	45.569	ug/l #	75
29) Tetrahydrofuran	7.18	42	177589	219.466	ug/l	88
30) Chloroform	7.34	83	182553	49.615	ug/l	98
31) Cyclohexane	7.63	56	159077	46.554	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	168077	49.406	ug/l	95
36) 1,1-Dichloropropene	7.77	75	140540	51.817	ug/l	96
37) Ethyl Acetate	6.89	43	115565	45.429	ug/l	95
38) Carbon Tetrachloride	7.75	117	152199	51.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	174030	52.038	ug/l	91
40) Benzene	8.02	78	404956	50.063	ug/l	99
41) Methacrylonitrile	7.15	41	54011m	43.106	ug/l	
42) 1,2-Dichloroethane	8.10	62	138968	50.671	ug/l	96
43) Isopropyl Acetate	8.14	43	206348	47.160	ug/l #	94
44) Trichloroethene	8.81	130	117272	53.108	ug/l	94
45) 1,2-Dichloropropane	9.10	63	102230	51.074	ug/l	100
46) Dibromomethane	9.19	93	73100	51.772	ug/l	91
47) Bromodichloromethane	9.38	83	148042	52.030	ug/l	98
48) Methyl methacrylate	9.18	41	93376	47.710	ug/l	89
49) 1,4-Dioxane	9.18	88	34834	972.240	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	589480	233.055	ug/l	95
52) Toluene	10.14	92	264538	51.776	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	167462	52.710	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	175632	52.540	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	103183	50.990	ug/l	96
56) Ethyl methacrylate	10.42	69	155574	50.314	ug/l	91
57) 1,3-Dichloropropane	10.70	76	166227	51.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	238364	255.938	ug/l	91
59) 2-Hexanone	10.74	43	463052	248.500	ug/l	92
60) Dibromochloromethane	10.89	129	120727	52.390	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109569	51.660	ug/l	99
64) Tetrachloroethene	10.62	164	107923	46.399	ug/l	94
65) Chlorobenzene	11.43	112	288888	51.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111919	51.636	ug/l	99
67) Ethyl Benzene	11.50	91	519724	51.039	ug/l	98
68) m/p-Xylenes	11.61	106	396775	103.152	ug/l	94
69) o-Xylene	11.94	106	190994	50.719	ug/l	94
70) Styrene	11.96	104	326372	51.793	ug/l	97
71) Bromoform	12.12	173	91154	52.502	ug/l #	99
73) Isopropylbenzene	12.24	105	516059	49.987	ug/l	99
74) N-amyl acetate	12.06	43	186912	46.658	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	145643	48.663	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	137412m	58.004	ug/l	
77) Bromobenzene	12.52	156	131913	50.456	ug/l	80
78) n-propylbenzene	12.59	91	586596	50.623	ug/l	97
79) 2-Chlorotoluene	12.67	91	339094	49.191	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	437896	50.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	54564	49.462	ug/l	92
82) 4-Chlorotoluene	12.77	91	352561	50.991	ug/l	95
83) tert-Butylbenzene	12.99	119	376936	50.196	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	438318	51.029	ug/l	99
85) sec-Butylbenzene	13.17	105	503711	51.056	ug/l	99
86) p-Isopropyltoluene	13.28	119	463488	50.771	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	236510	52.079	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	235164	51.907	ug/l	97
89) n-Butylbenzene	13.61	91	410208	52.701	ug/l	98
90) Hexachloroethane	13.87	117	87508	51.234	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	227261	50.619	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30141	46.786	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	144895	53.709	ug/l	99
94) Hexachlorobutadiene	15.01	225	78351	52.704	ug/l	98
95) Naphthalene	15.13	128	381234	49.682	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134452	51.202	ug/l	99

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

