

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010721\
 Data File : VY003876.D
 Acq On : 07 Jan 2021 13:17
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/8/2021 2:30:44 PM

Quant Time: Jan 08 04:00:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010721S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 08 03:54:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	229282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	325244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	305245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31287	10.67	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.34%#		
35) Dibromofluoromethane	7.722	113	26411	10.31	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.62%#		
50) Toluene-d8	10.179	98	102602	10.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.28%#		
62) 4-Bromofluorobenzene	12.477	95	35102	9.84	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.68%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30439	12.58	ug/l	99
3) Chloromethane	2.119	50	36798	11.85	ug/l	100
4) Vinyl Chloride	2.253	62	38786	11.77	ug/l	99
5) Bromomethane	2.650	94	30831	11.51	ug/l	94
6) Chloroethane	2.802	64	21871	10.94	ug/l	92
7) Trichlorofluoromethane	3.131	101	48788	10.93	ug/l	98
8) Diethyl Ether	3.534	74	15224	10.82	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	26258	10.83	ug/l	98
10) Methyl Iodide	4.094	142	19073	7.90	ug/l	99
11) Tert butyl alcohol	4.966	59	13756	55.29	ug/l #	91
12) 1,1-Dichloroethene	3.881	96	24823	10.69	ug/l	90
13) Acrolein	3.741	56	15118	52.29	ug/l	99
14) Allyl chloride	4.485	41	43434	10.49	ug/l	98
15) Acrylonitrile	5.174	53	39275	53.73	ug/l	99
16) Acetone	3.960	43	32120	52.75	ug/l	91
17) Carbon Disulfide	4.198	76	78679	10.74	ug/l	100
18) Methyl Acetate	4.491	43	18444	10.73	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	70474	10.48	ug/l	98
20) Methylene Chloride	4.729	84	33839	10.97	ug/l	91
21) trans-1,2-Dichloroethene	5.235	96	28193	10.60	ug/l	88
22) Diisopropyl ether	6.125	45	88204	10.48	ug/l	92
23) Vinyl Acetate	6.070	43	288968	51.94	ug/l	99
24) 1,1-Dichloroethane	6.027	63	48228	10.45	ug/l	99
25) 2-Butanone	6.996	43	49774	52.88	ug/l	94
26) 2,2-Dichloropropane	6.990	77	45215	10.48	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	30730	10.58	ug/l	99
28) Bromochloromethane	7.344	49	20887	10.20	ug/l	98
29) Tetrahydrofuran	7.350	42	34919	53.80	ug/l	97
30) Chloroform	7.515	83	51417	10.55	ug/l	98
31) Cyclohexane	7.789	56	47281	10.48	ug/l #	90
32) 1,1,1-Trichloroethane	7.710	97	47371	10.55	ug/l	97
36) 1,1-Dichloropropene	7.917	75	39128	10.31	ug/l	100
37) Ethyl Acetate	7.082	43	24080	10.88	ug/l #	95
38) Carbon Tetrachloride	7.905	117	45634	10.64	ug/l	93
39) Methylcyclohexane	9.185	83	46900	10.13	ug/l	98
40) Benzene	8.167	78	111150	10.39	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	12113m	6.25	ug/l	
42) 1,2-Dichloroethane	8.246	62	36951	10.52	ug/l	98
43) Isopropyl Acetate	8.277	43	43973	10.49	ug/l	100
44) Trichloroethene	8.941	130	33068	10.39	ug/l	96
45) 1,2-Dichloropropane	9.216	63	28468	10.43	ug/l	96
46) Dibromomethane	9.307	93	16342	10.61	ug/l	97
47) Bromodichloromethane	9.502	83	39855	10.29	ug/l	95
48) Methyl methacrylate	9.295	41	20685	10.32	ug/l	96
49) 1,4-Dioxane	9.301	88	4718	230.85	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	116079	52.47	ug/l	99
52) Toluene	10.246	92	72372	10.49	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	43113	10.49	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	47293	10.38	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	23816	10.78	ug/l	94
56) Ethyl methacrylate	10.508	69	29575	9.95	ug/l	99
57) 1,3-Dichloropropane	10.788	76	39308	10.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	78681	53.23	ug/l	99
59) 2-Hexanone	10.831	43	79132	51.67	ug/l	99
60) Dibromochloromethane	10.983	129	29691	10.32	ug/l	98
61) 1,2-Dibromoethane	11.087	107	22573	10.41	ug/l	99
64) Tetrachloroethene	10.721	164	37752	10.53	ug/l	99
65) Chlorobenzene	11.514	112	78594	10.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	31090	10.38	ug/l	99
67) Ethyl Benzene	11.593	91	136824	10.20	ug/l	98
68) m/p-Xylenes	11.703	106	105066	20.38	ug/l	98
69) o-Xylene	12.032	106	47581	10.00	ug/l	97
70) Styrene	12.038	104	82264	10.02	ug/l	99
71) Bromoform	12.203	173	20775	10.44	ug/l	97
73) Isopropylbenzene	12.331	105	132721	9.95	ug/l	99
74) N-amyl acetate	12.142	43	38653	10.07	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	26330	10.68	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	20434m	9.19	ug/l	
77) Bromobenzene	12.605	156	36434	10.35	ug/l	98
78) n-propylbenzene	12.666	91	157419	9.97	ug/l	100
79) 2-Chlorotoluene	12.751	91	90973	10.13	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	114398	10.01	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10321	10.23	ug/l #	90
82) 4-Chlorotoluene	12.855	91	97578	10.14	ug/l	99
83) tert-Butylbenzene	13.075	119	98885	10.02	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	114785	9.93	ug/l	100
85) sec-Butylbenzene	13.251	105	136569	10.05	ug/l	99
86) p-Isopropyltoluene	13.367	119	127477	9.93	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	69252	10.25	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	67913	10.19	ug/l	97
89) n-Butylbenzene	13.690	91	116154	9.92	ug/l	100
90) Hexachloroethane	13.952	117	24027	10.07	ug/l	100
91) 1,2-Dichlorobenzene	13.733	146	61085	10.22	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	5589	11.33	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	43158	9.92	ug/l	98
94) Hexachlorobutadiene	15.105	225	31093	10.47	ug/l	98
95) Naphthalene	15.233	128	73980	9.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	37393	10.02	ug/l	99

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

