

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003896.D
 Acq On : 12 Jan 2021 11:08
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:36:52 PM

Quant Time: Jan 12 11:17:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:14:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	129125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	187027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95325	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	196177	116.72	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 233.44%#			
35) Dibromofluoromethane	7.722	113	153767	102.41	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 204.82%#			
50) Toluene-d8	10.179	98	619162	105.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 210.80%#			
62) 4-Bromofluorobenzene	12.477	95	225782	106.17	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 212.34%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	155455	104.60	ug/l	97
3) Chloromethane	2.113	50	209025	113.90	ug/l	99
4) Vinyl Chloride	2.253	62	228618	116.02	ug/l	100
5) Bromomethane	2.637	94	150349	100.57	ug/l	99
6) Chloroethane	2.790	64	136885	111.83	ug/l	100
7) Trichlorofluoromethane	3.125	101	281615	103.09	ug/l	99
8) Diethyl Ether	3.534	74	94189	109.85	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	149222	101.15	ug/l	95
10) Methyl Iodide	4.094	142	199510	111.50	ug/l	97
11) Tert butyl alcohol	4.966	59	93051	558.81	ug/l	99
12) 1,1-Dichloroethene	3.875	96	146224	102.71	ug/l	88
13) Acrolein	3.735	56	92123	541.00	ug/l	100
14) Allyl chloride	4.485	41	324571	123.78	ug/l	95
15) Acrylonitrile	5.173	53	262503	584.99	ug/l	97
16) Acetone	3.954	43	243097	631.36	ug/l	94
17) Carbon Disulfide	4.198	76	480040	104.29	ug/l	99
18) Methyl Acetate	4.485	43	130236	125.51	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	474075	113.66	ug/l	100
20) Methylene Chloride	4.722	84	166289	95.24	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	168849	103.69	ug/l	94
22) Diisopropyl ether	6.125	45	634804	121.36	ug/l	95
23) Vinyl Acetate	6.064	43	2234561	635.13	ug/l	96
24) 1,1-Dichloroethane	6.027	63	310381	111.00	ug/l	99
25) 2-Butanone	6.990	43	380884	637.64	ug/l	92
26) 2,2-Dichloropropane	6.990	77	287874	109.28	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	187466	105.55	ug/l	93
28) Bromochloromethane	7.338	49	142433	117.15	ug/l	82
29) Tetrahydrofuran	7.350	42	258342	632.55	ug/l	94
30) Chloroform	7.515	83	316119	108.97	ug/l	96
31) Cyclohexane	7.789	56	306625	108.94	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	290699	107.94	ug/l	97
36) 1,1-Dichloropropene	7.923	75	248456	104.39	ug/l	99
37) Ethyl Acetate	7.082	43	175646	123.98	ug/l	96
38) Carbon Tetrachloride	7.905	117	268866	103.67	ug/l	96
39) Methylcyclohexane	9.185	83	308763	105.52	ug/l	94
40) Benzene	8.161	78	690266	105.30	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	96773m	122.04	ug/l	
42) 1,2-Dichloroethane	8.240	62	236790	109.73	ug/l	98
43) Isopropyl Acetate	8.277	43	332695	125.38	ug/l	95
44) Trichloroethene	8.941	130	188497	97.67	ug/l	94
45) 1,2-Dichloropropane	9.215	63	179311	109.00	ug/l	98
46) Dibromomethane	9.307	93	99922	104.68	ug/l	93
47) Bromodichloromethane	9.496	83	254293	107.83	ug/l	100
48) Methyl methacrylate	9.289	41	162375	128.13	ug/l	93
49) 1,4-Dioxane	9.301	88	27468	2244.77	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	885026	632.10	ug/l	95
52) Toluene	10.240	92	441922	104.48	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	274944	109.20	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	302071	106.79	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	138451	102.73	ug/l	97
56) Ethyl methacrylate	10.508	69	216348	116.99	ug/l #	89
57) 1,3-Dichloropropane	10.788	76	247133	106.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	471067	517.25	ug/l	96
59) 2-Hexanone	10.831	43	629428	650.81	ug/l	94
60) Dibromochloromethane	10.983	129	178917	102.26	ug/l	99
61) 1,2-Dibromoethane	11.087	107	137154	103.25	ug/l	99
64) Tetrachloroethene	10.715	164	211746	95.20	ug/l	97
65) Chlorobenzene	11.514	112	467360	99.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	179816	99.01	ug/l	100
67) Ethyl Benzene	11.593	91	895552	106.46	ug/l	99
68) m/p-Xylenes	11.697	106	664520	206.64	ug/l	95
69) o-Xylene	12.026	106	311451	103.65	ug/l	96
70) Styrene	12.038	104	543610	106.31	ug/l	97
71) Bromoform	12.203	173	121145	98.71	ug/l	99
73) Isopropylbenzene	12.325	105	863252	108.04	ug/l	100
74) N-amyl acetate	12.142	43	321820	135.41	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	161703	110.74	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	126973m	110.06	ug/l	
77) Bromobenzene	12.605	156	209177	101.67	ug/l	90
78) n-propylbenzene	12.666	91	1030627	109.55	ug/l	98
79) 2-Chlorotoluene	12.751	91	581173	108.51	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	747062	109.16	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	68621	114.97	ug/l #	90
82) 4-Chlorotoluene	12.849	91	616099	109.23	ug/l	97
83) tert-Butylbenzene	13.068	119	636622	108.02	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	747884	109.35	ug/l	98
85) sec-Butylbenzene	13.251	105	868321	108.69	ug/l	99
86) p-Isopropyltoluene	13.367	119	820453	107.17	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	402942	102.38	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	391997	101.57	ug/l	99
89) n-Butylbenzene	13.690	91	774430	110.91	ug/l	98
90) Hexachloroethane	13.958	117	150377	107.10	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	350787	100.97	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	33064	110.96	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	259794	101.75	ug/l	99
94) Hexachlorobutadiene	15.105	225	168751	98.20	ug/l	100
95) Naphthalene	15.233	128	504806	111.71	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	226240	101.78	ug/l	99

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

