

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012821\
 Data File : VY003956.D
 Acq On : 28 Jan 2021 13:54
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

SAM
 2/1/2021 3:35:42 PM

Quant Time: Jan 28 18:06:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 28 18:02:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	111452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	167691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	154869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	179098	146.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 292.28%#			
35) Dibromofluoromethane	7.728	113	143381	146.24	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 292.48%#			
50) Toluene-d8	10.185	98	550429	143.05	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 286.10%#			
62) 4-Bromofluorobenzene	12.483	95	202070	144.07	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 288.14%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	167674	151.77	ug/l	97
3) Chloromethane	2.119	50	211491	152.00	ug/l	100
4) Vinyl Chloride	2.260	62	230252	158.72	ug/l	97
5) Bromomethane	2.650	94	153283	148.33	ug/l	94
6) Chloroethane	2.796	64	133186	146.48	ug/l	100
7) Trichlorofluoromethane	3.131	101	292254	145.36	ug/l	94
8) Diethyl Ether	3.540	74	92137	146.50	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	148076	142.70	ug/l	97
10) Methyl Iodide	4.107	142	201798	157.19	ug/l	97
11) Tert butyl alcohol	4.979	59	92411	734.60	ug/l #	94
12) 1,1-Dichloroethene	3.887	96	147019	146.16	ug/l	96
13) Acrolein	3.747	56	87639	775.69	ug/l	97
14) Allyl chloride	4.497	41	281110	151.76	ug/l	96
15) Acrylonitrile	5.186	53	250068	781.28	ug/l	99
16) Acetone	3.967	43	233178	775.10	ug/l	99
17) Carbon Disulfide	4.210	76	477827	144.52	ug/l	97
18) Methyl Acetate	4.497	43	120903	161.23	ug/l	96
19) Methyl tert-butyl Ether	5.241	73	468622	152.56	ug/l	95
20) Methylene Chloride	4.735	84	166383	130.27	ug/l	96
21) trans-1,2-Dichloroethene	5.241	96	169001	145.98	ug/l	95
22) Diisopropyl ether	6.137	45	557341	151.22	ug/l	98
23) Vinyl Acetate	6.076	43	1968433	783.83	ug/l	97
24) 1,1-Dichloroethane	6.039	63	303709	148.67	ug/l	98
25) 2-Butanone	7.003	43	351631	820.35	ug/l	97
26) 2,2-Dichloropropane	7.003	77	283323	145.54	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	190761	148.48	ug/l	99
28) Bromochloromethane	7.350	49	138184	157.01	ug/l	88
29) Tetrahydrofuran	7.362	42	222824	815.60	ug/l	94
30) Chloroform	7.521	83	312885	145.71	ug/l	99
31) Cyclohexane	7.795	56	284517	138.26	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	290286	146.55	ug/l	98
36) 1,1-Dichloropropene	7.929	75	246423	145.30	ug/l	99
37) Ethyl Acetate	7.088	43	153501	160.00	ug/l	98
38) Carbon Tetrachloride	7.911	117	265093	144.66	ug/l	99
39) Methylcyclohexane	9.191	83	302117	149.45	ug/l	97
40) Benzene	8.173	78	685581	146.23	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	108161m	145.02	ug/l	
42) 1,2-Dichloroethane	8.246	62	235711	146.03	ug/l	100
43) Isopropyl Acetate	8.283	43	298656	160.04	ug/l	99
44) Trichloroethene	8.947	130	189450	146.23	ug/l	99
45) 1,2-Dichloropropane	9.222	63	171212	147.52	ug/l	97
46) Dibromomethane	9.313	93	98944	149.19	ug/l	95
47) Bromodichloromethane	9.502	83	253388	147.74	ug/l	97
48) Methyl methacrylate	9.301	41	145229	159.30	ug/l	98
49) 1,4-Dioxane	9.307	88	21047m	2860.28	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	769572	807.43	ug/l	97
52) Toluene	10.246	92	438151	148.05	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	274949	152.21	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	299298	149.41	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	139370	151.62	ug/l	97
56) Ethyl methacrylate	10.514	69	210147	160.14	ug/l	98
57) 1,3-Dichloropropane	10.795	76	244497	148.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	449216	754.94	ug/l	99
59) 2-Hexanone	10.837	43	548083	820.39	ug/l	97
60) Dibromochloromethane	10.990	129	179768	150.05	ug/l	99
61) 1,2-Dibromoethane	11.093	107	138241	150.32	ug/l	99
64) Tetrachloroethene	10.721	164	198700	143.09	ug/l	97
65) Chlorobenzene	11.520	112	462438	147.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	182763	149.23	ug/l	99
67) Ethyl Benzene	11.593	91	876012	148.83	ug/l	100
68) m/p-Xylenes	11.703	106	647210	296.72	ug/l	100
69) o-Xylene	12.032	106	304036	149.83	ug/l	99
70) Styrene	12.044	104	530098	151.41	ug/l	100
71) Bromoform	12.209	173	120220	153.38	ug/l #	97
73) Isopropylbenzene	12.331	105	827544	152.19	ug/l	98
74) N-amyl acetate	12.142	43	264648	165.57	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	156229	158.43	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	114528m	119.41	ug/l	
77) Bromobenzene	12.611	156	205730	152.64	ug/l	98
78) n-propylbenzene	12.672	91	968526	149.70	ug/l	100
79) 2-Chlorotoluene	12.758	91	552756	149.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	695540	149.06	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	64609	161.35	ug/l	98
82) 4-Chlorotoluene	12.855	91	576965	147.23	ug/l	100
83) tert-Butylbenzene	13.075	119	574787	148.16	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	697782	149.18	ug/l	100
85) sec-Butylbenzene	13.251	105	788661	146.70	ug/l	100
86) p-Isopropyltoluene	13.367	119	744693	148.48	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	380499	149.79	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	367923	146.66	ug/l	100
89) n-Butylbenzene	13.697	91	673954	144.74	ug/l	99
90) Hexachloroethane	13.959	117	135744	147.85	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	329010	145.38	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31906	156.96	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	221219	141.23	ug/l	100
94) Hexachlorobutadiene	15.111	225	136079	135.18	ug/l	99
95) Naphthalene	15.233	128	459751	156.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	197680	146.49	ug/l	99

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

