

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042921\
 Data File : VY004653.D
 Acq On : 29 Apr 2021 10:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 10:49:05 AM

Quant Time: Apr 30 04:31:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	173308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	246034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118776	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	103716	53.86	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.72%	
35) Dibromofluoromethane	7.728	113	80448	53.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.28%	
50) Toluene-d8	10.185	98	349379	54.76	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.52%	
62) 4-Bromofluorobenzene	12.483	95	118047	54.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.06%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	75507	47.02	ug/l	97
3) Chloromethane	2.119	50	115085	49.57	ug/l	98
4) Vinyl Chloride	2.260	62	118947	48.51	ug/l	98
5) Bromomethane	2.656	94	62667	52.38	ug/l	94
6) Chloroethane	2.802	64	76592	52.09	ug/l	98
7) Trichlorofluoromethane	3.131	101	154800	50.47	ug/l	100
8) Diethyl Ether	3.540	74	50284	48.51	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	87791	51.61	ug/l	99
10) Methyl Iodide	4.101	142	91137	44.76	ug/l	98
11) Tert butyl alcohol	4.979	59	43593	229.72	ug/l	99
12) 1,1-Dichloroethene	3.881	96	82506	49.05	ug/l	93
13) Acrolein	3.741	56	41893	198.59	ug/l	97
14) Allyl chloride	4.491	41	158292	49.20	ug/l	99
15) Acrylonitrile	5.174	53	140255	252.20	ug/l	99
16) Acetone	3.960	43	95991	233.61	ug/l	98
17) Carbon Disulfide	4.204	76	238179	45.98	ug/l	100
18) Methyl Acetate	4.491	43	69101	51.52	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	250772	49.61	ug/l	99
20) Methylene Chloride	4.729	84	96813	52.06	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	94453	49.62	ug/l	98
22) Diisopropyl ether	6.125	45	350380	51.52	ug/l	96
23) Vinyl Acetate	6.070	43	1170020	252.72	ug/l	99
24) 1,1-Dichloroethane	6.027	63	178973	51.51	ug/l	100
25) 2-Butanone	6.996	43	178832	243.81	ug/l	95
26) 2,2-Dichloropropane	6.990	77	162414	52.10	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	106869	50.18	ug/l	98
28) Bromochloromethane	7.338	49	88598	56.11	ug/l	98
29) Tetrahydrofuran	7.356	42	130487	248.99	ug/l	99
30) Chloroform	7.515	83	176004	51.55	ug/l	98
31) Cyclohexane	7.789	56	171159	48.49	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	161952	52.28	ug/l	99
36) 1,1-Dichloropropene	7.923	75	141676	52.75	ug/l	100
37) Ethyl Acetate	7.082	43	89092	51.51	ug/l	97
38) Carbon Tetrachloride	7.905	117	135073	58.18	ug/l	98
39) Methylcyclohexane	9.185	83	170041	51.43	ug/l	97
40) Benzene	8.167	78	403679	53.49	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	48888m	46.65	ug/l	
42) 1,2-Dichloroethane	8.246	62	127025	53.65	ug/l	99
43) Isopropyl Acetate	8.277	43	173769	53.00	ug/l	100
44) Trichloroethene	8.941	130	109329	53.13	ug/l	93
45) 1,2-Dichloropropane	9.222	63	105376	54.10	ug/l	98
46) Dibromomethane	9.313	93	56039	52.84	ug/l	99
47) Bromodichloromethane	9.502	83	139384	54.29	ug/l	99
48) Methyl methacrylate	9.295	41	81036	53.67	ug/l	98
49) 1,4-Dioxane	9.307	88	14936	1078.41	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	462502	274.63	ug/l	99
52) Toluene	10.246	92	252419	51.68	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	151202	53.40	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	171854	53.44	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	79630	54.49	ug/l	97
56) Ethyl methacrylate	10.514	69	112728	53.20	ug/l	97
57) 1,3-Dichloropropane	10.795	76	139621	53.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	309384	285.36	ug/l	99
59) 2-Hexanone	10.837	43	309682	274.31	ug/l	99
60) Dibromochloromethane	10.990	129	94852	54.62	ug/l	99
61) 1,2-Dibromoethane	11.093	107	75382	53.51	ug/l	100
64) Tetrachloroethene	10.721	164	117339	54.78	ug/l	98
65) Chlorobenzene	11.520	112	262519	52.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	96471	53.83	ug/l	100
67) Ethyl Benzene	11.593	91	497976	53.01	ug/l	100
68) m/p-Xylenes	11.703	106	370340	106.09	ug/l	99
69) o-Xylene	12.032	106	172118	52.62	ug/l	100
70) Styrene	12.044	104	293000	54.08	ug/l	99
71) Bromoform	12.209	173	56078	52.76	ug/l #	99
73) Isopropylbenzene	12.331	105	480553	52.36	ug/l	100
74) N-amyl acetate	12.148	43	160288	51.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	87320	50.29	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	66211m	51.94	ug/l	
77) Bromobenzene	12.611	156	105102	51.09	ug/l	98
78) n-propylbenzene	12.672	91	575739	53.10	ug/l	99
79) 2-Chlorotoluene	12.758	91	310019	52.28	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	401204	53.78	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34902	48.98	ug/l #	75
82) 4-Chlorotoluene	12.855	91	328314	52.43	ug/l	99
83) tert-Butylbenzene	13.075	119	340680	53.35	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	397295	52.77	ug/l	99
85) sec-Butylbenzene	13.258	105	482176	54.14	ug/l	99
86) p-Isopropyltoluene	13.373	119	441515	54.49	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	205303	53.43	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	200584	51.86	ug/l	100
89) n-Butylbenzene	13.696	91	422650	54.65	ug/l	99
90) Hexachloroethane	13.965	117	65736	60.47	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	179008	52.48	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15132	48.56	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	116020	51.44	ug/l	100
94) Hexachlorobutadiene	15.117	225	64361	54.66	ug/l	99
95) Naphthalene	15.239	128	242844	49.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	101648	51.09	ug/l	100

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

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