

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004100.D
 Acq On : 17 Mar 2021 13:59
 Operator : SY/MD
 Sample : M1458-02
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 2:18:50 PM

Quant Time: Mar 18 02:48:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 02:46:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	215713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	342709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	307793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157302	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	104114	48.91	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.82%
35) Dibromofluoromethane	7.728	113	98203	50.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.62%
50) Toluene-d8	10.185	98	369375	48.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.50%
62) 4-Bromofluorobenzene	12.483	95	136745	48.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.74%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.912	85	9640	5.56	ug/l 94
3) Chloromethane	2.119	50	14413	6.18	ug/l 100
4) Vinyl Chloride	2.259	62	14376	5.51	ug/l 96
5) Bromomethane	2.662	94	10924	6.56	ug/l 90
6) Chloroethane	2.802	64	8890	5.60	ug/l 99
7) Trichlorofluoromethane	3.131	101	19145	5.53	ug/l 91
8) Diethyl Ether	3.540	74	6218	5.60	ug/l 83
9) 1,1,2-Trichlorotrifluo...	3.905	101	10313	5.32	ug/l 97
10) Methyl Iodide	4.107	142	9943	5.02	ug/l 98
11) Tert butyl alcohol	4.966	59	6150	31.95	ug/l # 92
12) 1,1-Dichloroethene	3.887	96	10299	5.43	ug/l 87
13) Acrolein	3.741	56	3924	20.55	ug/l 94
14) Allyl chloride	4.491	41	15501	4.94	ug/l 91
15) Acrylonitrile	5.186	53	13900	25.18	ug/l 98
16) Acetone	3.960	43	11573	22.52	ug/l 90
17) Carbon Disulfide	4.210	76	28987	5.20	ug/l # 95
18) Methyl Acetate	4.491	43	7854	6.19	ug/l 95
19) Methyl tert-butyl Ether	5.241	73	29481	5.46	ug/l 100
20) Methylene Chloride	4.741	84	17134	6.91	ug/l 89
21) trans-1,2-Dichloroethene	5.234	96	11744	5.51	ug/l 93
22) Diisopropyl ether	6.131	45	31602	4.77	ug/l 95
23) Vinyl Acetate	6.076	43	99342	22.79	ug/l # 94
24) 1,1-Dichloroethane	6.033	63	18803	5.11	ug/l 97
25) 2-Butanone	7.002	43	17996	24.30	ug/l # 85
26) 2,2-Dichloropropane	6.996	77	16928	4.82	ug/l 96
27) cis-1,2-Dichloroethene	7.002	96	12933	5.33	ug/l 91
28) Bromochloromethane	7.344	49	7765	4.84	ug/l 84
29) Tetrahydrofuran	7.362	42	12315	25.59	ug/l 89
30) Chloroform	7.521	83	20055	5.26	ug/l 99
31) Cyclohexane	7.795	56	21215	5.68	ug/l # 70
32) 1,1,1-Trichloroethane	7.710	97	18593	5.26	ug/l 99
36) 1,1-Dichloropropene	7.929	75	15932	5.29	ug/l 97
37) Ethyl Acetate	7.088	43	8899	5.49	ug/l 98
38) Carbon Tetrachloride	7.911	117	16621	5.20	ug/l 95
39) Methylcyclohexane	9.191	83	19624	5.05	ug/l 90
40) Benzene	8.167	78	44462	5.24	ug/l 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	4578m	4.56	ug/l	
42) 1,2-Dichloroethane	8.246	62	14091	5.44	ug/l	99
43) Isopropyl Acetate	8.283	43	16077	4.94	ug/l	97
44) Trichloroethene	8.947	130	13913	5.66	ug/l	97
45) 1,2-Dichloropropane	9.228	63	10548	4.98	ug/l	91
46) Dibromomethane	9.313	93	6403	5.29	ug/l	95
47) Bromodichloromethane	9.508	83	15397	5.09	ug/l	93
48) Methyl methacrylate	9.301	41	7068	4.57	ug/l #	84
49) 1,4-Dioxane	9.307	88	1641	106.48	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	40115	24.34	ug/l	96
52) Toluene	10.246	92	29187	5.31	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	15721	4.93	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	17427	4.88	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	9185	5.39	ug/l	96
56) Ethyl methacrylate	10.514	69	11239	4.72	ug/l	90
57) 1,3-Dichloropropane	10.794	76	15716	5.39	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	31010	29.36	ug/l	93
59) 2-Hexanone	10.837	43	27565	23.81	ug/l	96
60) Dibromochloromethane	10.990	129	11065	5.18	ug/l	100
61) 1,2-Dibromoethane	11.093	107	9082	5.48	ug/l	97
64) Tetrachloroethene	10.721	164	15881	6.16	ug/l	96
65) Chlorobenzene	11.520	112	32156	5.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	11979	5.43	ug/l	98
67) Ethyl Benzene	11.593	91	56272	5.20	ug/l	96
68) m/p-Xylenes	11.703	106	43901	10.63	ug/l	94
69) o-Xylene	12.032	106	21103	5.41	ug/l	91
70) Styrene	12.044	104	33685	5.04	ug/l	98
71) Bromoform	12.215	173	7035	5.33	ug/l #	98
73) Isopropylbenzene	12.331	105	55958	5.12	ug/l	100
74) N-amyl acetate	12.148	43	14234	4.55	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	9037	4.76	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	7619m	5.05	ug/l	
77) Bromobenzene	12.611	156	13951	5.52	ug/l	95
78) n-propylbenzene	12.672	91	65986	5.12	ug/l	96
79) 2-Chlorotoluene	12.758	91	36094	4.99	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	47736	5.15	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	3578	4.68	ug/l	96
82) 4-Chlorotoluene	12.855	91	38502	5.03	ug/l	95
83) tert-Butylbenzene	13.081	119	41327	5.18	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	47246	5.09	ug/l	97
85) sec-Butylbenzene	13.257	105	56997	5.18	ug/l	98
86) p-Isopropyltoluene	13.373	119	52523	5.15	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	26660	5.47	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	26727	5.49	ug/l	91
89) n-Butylbenzene	13.696	91	48114	4.96	ug/l	98
90) Hexachloroethane	13.965	117	8779	4.79	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	23921	5.53	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1969	5.49	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	16988	5.79	ug/l	95
94) Hexachlorobutadiene	15.111	225	8346	5.08	ug/l	95
95) Naphthalene	15.239	128	32190	5.54	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	14465	5.87	ug/l	97

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

