

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031621\
 Data File : VY004091.D
 Acq On : 16 Mar 2021 12:30
 Operator : SY/MD
 Sample : M1458-02 5PPBLOQ
 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
 3/17/2021 11:46:24 AM

Quant Time: Mar 17 01:56:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 01:54:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	217856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	347758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	314684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160733	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	113881	52.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.94%			
35) Dibromofluoromethane	7.734	113	105131	53.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.22%			
50) Toluene-d8	10.185	98	397615	51.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.44%			
62) 4-Bromofluorobenzene	12.483	95	146562	51.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	9928	5.67	ug/l	99
3) Chloromethane	2.119	50	12726	5.40	ug/l	99
4) Vinyl Chloride	2.259	62	14260	5.42	ug/l	99
5) Bromomethane	2.656	94	10749	6.39	ug/l	97
6) Chloroethane	2.802	64	8559	5.34	ug/l	99
7) Trichlorofluoromethane	3.137	101	18851	5.39	ug/l	96
8) Diethyl Ether	3.546	74	6057	5.40	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.918	101	10121	5.17	ug/l	98
10) Methyl Iodide	4.107	142	9832	4.92	ug/l	95
11) Tert butyl alcohol	4.972	59	6983	35.92	ug/l #	92
12) 1,1-Dichloroethene	3.881	96	10057	5.25	ug/l	94
13) Acrolein	3.741	56	4568	23.69	ug/l	98
14) Allyl chloride	4.491	41	14539	4.59	ug/l #	85
15) Acrylonitrile	5.186	53	15519	27.84	ug/l	96
16) Acetone	3.960	43	13188	25.41	ug/l	99
17) Carbon Disulfide	4.204	76	29472	5.23	ug/l	100
18) Methyl Acetate	4.491	43	8276	6.46	ug/l	93
19) Methyl tert-butyl Ether	5.235	73	29524	5.41	ug/l	98
20) Methylene Chloride	4.729	84	18278	7.29	ug/l	93
21) trans-1,2-Dichloroethene	5.241	96	11323	5.26	ug/l	93
22) Diisopropyl ether	6.131	45	32201	4.82	ug/l	98
23) Vinyl Acetate	6.082	43	103653	23.55	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	18362	4.95	ug/l	95
25) 2-Butanone	7.003	43	19198	25.66	ug/l #	89
26) 2,2-Dichloropropane	6.990	77	17090	4.82	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	12729	5.20	ug/l	90
28) Bromochloromethane	7.350	49	7712	4.76	ug/l #	80
29) Tetrahydrofuran	7.362	42	13224	27.21	ug/l	93
30) Chloroform	7.521	83	19743	5.13	ug/l	95
31) Cyclohexane	7.801	56	21747	5.77	ug/l #	79
32) 1,1,1-Trichloroethane	7.710	97	18274	5.12	ug/l	99
36) 1,1-Dichloropropene	7.929	75	16199	5.30	ug/l	98
37) Ethyl Acetate	7.094	43	8613	5.23	ug/l #	97
38) Carbon Tetrachloride	7.911	117	16546	5.10	ug/l	92
39) Methylcyclohexane	9.191	83	19963	5.06	ug/l	93
40) Benzene	8.173	78	44422	5.16	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	5944m	5.83	ug/l	
42) 1,2-Dichloroethane	8.246	62	14137	5.37	ug/l	97
43) Isopropyl Acetate	8.283	43	16987	5.14	ug/l	94
44) Trichloroethene	8.947	130	14067	5.64	ug/l	99
45) 1,2-Dichloropropane	9.222	63	10927	5.09	ug/l	96
46) Dibromomethane	9.313	93	6815	5.55	ug/l	95
47) Bromodichloromethane	9.502	83	15873	5.18	ug/l	97
48) Methyl methacrylate	9.301	41	7813	4.98	ug/l	88
49) 1,4-Dioxane	9.301	88	1643	105.06	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	43570	26.05	ug/l	97
52) Toluene	10.246	92	29228	5.24	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	15810	4.89	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	17501	4.83	ug/l #	92
55) 1,1,2-Trichloroethane	10.648	97	9288	5.38	ug/l	98
56) Ethyl methacrylate	10.514	69	12357	5.12	ug/l	93
57) 1,3-Dichloropropane	10.795	76	15607	5.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	31247	29.16	ug/l	93
59) 2-Hexanone	10.837	43	29192	24.84	ug/l	94
60) Dibromochloromethane	10.990	129	11314	5.22	ug/l	100
61) 1,2-Dibromoethane	11.093	107	9079	5.40	ug/l	99
64) Tetrachloroethene	10.721	164	16276	6.18	ug/l	96
65) Chlorobenzene	11.520	112	31506	5.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	11541	5.12	ug/l	97
67) Ethyl Benzene	11.599	91	55400	5.00	ug/l	96
68) m/p-Xylenes	11.703	106	43609	10.33	ug/l	93
69) o-Xylene	12.032	106	20156	5.05	ug/l	98
70) Styrene	12.050	104	33566	4.91	ug/l	98
71) Bromoform	12.215	173	6999	5.19	ug/l #	94
73) Isopropylbenzene	12.331	105	55070	4.93	ug/l	98
74) N-amyl acetate	12.148	43	15096	4.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	9420	4.85	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	9534m	6.19	ug/l	
77) Bromobenzene	12.611	156	14059	5.45	ug/l	96
78) n-propylbenzene	12.672	91	65527	4.98	ug/l	97
79) 2-Chlorotoluene	12.758	91	37090	5.02	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	46389	4.90	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	3709	4.75	ug/l	97
82) 4-Chlorotoluene	12.861	91	38644	4.94	ug/l	98
83) tert-Butylbenzene	13.081	119	40871	5.01	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	47539	5.01	ug/l	99
85) sec-Butylbenzene	13.257	105	56295	5.01	ug/l	98
86) p-Isopropyltoluene	13.373	119	51026	4.90	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	26201	5.26	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	26304	5.29	ug/l	93
89) n-Butylbenzene	13.696	91	48708	4.91	ug/l	99
90) Hexachloroethane	13.965	117	8887	4.75	ug/l	83
91) 1,2-Dichlorobenzene	13.745	146	23346	5.28	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1965	5.36	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	16268	5.43	ug/l	98
94) Hexachlorobutadiene	15.111	225	8638	5.14	ug/l	96
95) Naphthalene	15.239	128	32584	5.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	13928	5.53	ug/l	98

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

