

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101921\
 Data File : VY006421.D
 Acq On : 19 Oct 2021 12:22
 Operator : SY/MD
 Sample : M4068-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 10/20/2021 5:49:18 PM

Quant Time: Oct 20 04:25:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 20 04:25:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	124649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	180178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94357	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	67291	50.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.88%			
35) Dibromofluoromethane	7.722	113	49517	47.13	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.26%			
50) Toluene-d8	10.185	98	196427	44.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.36%			
62) 4-Bromofluorobenzene	12.483	95	68267	45.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.42%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5794	4.58	ug/l	93
3) Chloromethane	2.113	50	7910	5.37	ug/l	97
4) Vinyl Chloride	2.253	62	8113	4.97	ug/l	97
5) Bromomethane	2.655	94	5620	5.30	ug/l	98
6) Chloroethane	2.802	64	4649	4.84	ug/l	98
7) Trichlorofluoromethane	3.137	101	10410	4.84	ug/l	100
8) Diethyl Ether	3.539	74	3272	4.61	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	5183	4.52	ug/l	97
10) Methyl Iodide	4.100	142	4814	3.85	ug/l	94
11) Tert butyl alcohol	4.960	59	4482	38.41	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	5482	4.70	ug/l	84
13) Acrolein	3.734	56	1505	20.25	ug/l	99
14) Allyl chloride	4.490	41	10394	4.63	ug/l	95
15) Acrylonitrile	5.173	53	9108	24.39	ug/l	98
16) Acetone	3.960	43	9340	25.07	ug/l	94
17) Carbon Disulfide	4.198	76	16997	4.35	ug/l	97
18) Methyl Acetate	4.484	43	7338	5.84	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	15832	4.64	ug/l #	89
20) Methylene Chloride	4.722	84	14949	10.31	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	5840	4.51	ug/l	88
22) Diisopropyl ether	6.130	45	19896	4.48	ug/l	93
23) Vinyl Acetate	6.069	43	55523	20.86	ug/l	97
24) 1,1-Dichloroethane	6.021	63	11251	4.72	ug/l	99
25) 2-Butanone	6.990	43	12887	24.83	ug/l	91
26) 2,2-Dichloropropane	6.990	77	10423	4.78	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	6651	4.59	ug/l	95
28) Bromochloromethane	7.337	49	4298	4.33	ug/l	96
29) Tetrahydrofuran	7.356	42	7896	24.08	ug/l	95
30) Chloroform	7.514	83	11464	4.82	ug/l	96
31) Cyclohexane	7.795	56	12760	5.05	ug/l #	73
32) 1,1,1-Trichloroethane	7.709	97	10692	4.87	ug/l	96
36) 1,1-Dichloropropene	7.923	75	8526	4.36	ug/l	98
37) Ethyl Acetate	7.075	43	5597	4.91	ug/l	98
38) Carbon Tetrachloride	7.898	117	9516	4.61	ug/l	91
39) Methylcyclohexane	9.185	83	9908	4.03	ug/l	93
40) Benzene	8.167	78	24905	4.49	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	3399	4.60	ug/l #	35
42) 1,2-Dichloroethane	8.240	62	8865	4.96	ug/l	98
43) Isopropyl Acetate	8.276	43	10239	4.68	ug/l	96
44) Trichloroethene	8.947	130	6692	4.67	ug/l	89
45) 1,2-Dichloropropane	9.221	63	5974	4.37	ug/l	97
46) Dibromomethane	9.307	93	3287	4.52	ug/l	93
47) Bromodichloromethane	9.502	83	8471	4.52	ug/l	98
48) Methyl methacrylate	9.294	41	4744	4.52	ug/l	95
49) 1,4-Dioxane	9.307	88	846	89.12	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	26518	23.36	ug/l	98
52) Toluene	10.245	92	15607	4.53	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	9036	4.42	ug/l	96
54) cis-1,3-Dichloropropene	9.928	75	9752	4.34	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	4606	4.50	ug/l	92
56) Ethyl methacrylate	10.514	69	6624	4.26	ug/l	94
57) 1,3-Dichloropropane	10.794	76	8335	4.50	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.788	63	17591	23.07	ug/l	94
59) 2-Hexanone	10.837	43	18745	23.19	ug/l	100
60) Dibromochloromethane	10.989	129	6078	4.89	ug/l	91
61) 1,2-Dibromoethane	11.093	107	4389	4.53	ug/l	100
64) Tetrachloroethene	10.721	164	7706	5.31	ug/l	90
65) Chlorobenzene	11.520	112	16168	4.53	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	5989	4.55	ug/l	98
67) Ethyl Benzene	11.593	91	28209	4.19	ug/l	98
68) m/p-Xylenes	11.703	106	21898	8.58	ug/l	97
69) o-Xylene	12.032	106	10333	4.28	ug/l	97
70) Styrene	12.044	104	17774	4.34	ug/l	98
71) Bromoform	12.209	173	3979	4.86	ug/l #	98
73) Isopropylbenzene	12.330	105	27554	4.08	ug/l	100
74) N-amyl acetate	12.141	43	8800	4.19	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	5022	4.11	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	3862m	4.21	ug/l	
77) Bromobenzene	12.611	156	6747	4.26	ug/l	97
78) n-propylbenzene	12.672	91	33493	4.03	ug/l	99
79) 2-Chlorotoluene	12.757	91	19475	4.23	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	22793	4.03	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	2149	4.60	ug/l	90
82) 4-Chlorotoluene	12.855	91	19589	4.11	ug/l	99
83) tert-Butylbenzene	13.074	119	19496	4.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	22604	4.05	ug/l	99
85) sec-Butylbenzene	13.251	105	29598	4.05	ug/l	99
86) p-Isopropyltoluene	13.373	119	24053	3.90	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	13430	4.28	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	13844	4.47	ug/l	94
89) n-Butylbenzene	13.696	91	23479	4.01	ug/l	100
90) Hexachloroethane	13.958	117	4779	4.27	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	11862	4.32	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1112	4.78	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	7659	4.22	ug/l	100
94) Hexachlorobutadiene	15.117	225	5320	4.49	ug/l	97
95) Naphthalene	15.238	128	13770	3.82	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	6769	4.21	ug/l	97

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

