

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101221\
 Data File : VY006376.D
 Acq On : 12 Oct 2021 13:03
 Operator : SY/MD
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 6:22:37 PM

Quant Time: Oct 13 08:07:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 08:03:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	134084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	203937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	189890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72458	50.490	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.722	113	52971	48.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.240%			
50) Toluene-d8	10.185	98	219832	48.209	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.420%			
62) 4-Bromofluorobenzene	12.483	95	74071	47.816	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7139	5.249	ug/l	91
3) Chloromethane	2.119	50	8745	5.520	ug/l	97
4) Vinyl Chloride	2.253	62	10393	5.920	ug/l	99
5) Bromomethane	2.656	94	7959	6.975	ug/l	92
6) Chloroethane	2.802	64	6218	6.019	ug/l	100
7) Trichlorofluoromethane	3.137	101	12610	5.453	ug/l	99
8) Diethyl Ether	3.534	74	4124	5.399	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	6680	5.411	ug/l	97
10) Methyl Iodide	4.107	142	5063	3.763	ug/l	96
11) Tert butyl alcohol	4.966	59	3672	29.251	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	6497	5.174	ug/l	89
13) Acrolein	3.735	56	1934	24.193	ug/l	96
14) Allyl chloride	4.485	41	12587	5.212	ug/l	97
15) Acrylonitrile	5.168	53	10599	26.383	ug/l	99
16) Acetone	3.954	43	10670	26.620	ug/l	93
17) Carbon Disulfide	4.204	76	22766	5.420	ug/l	96
18) Methyl Acetate	4.485	43	7980	5.904	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	18305	4.991	ug/l	99
20) Methylene Chloride	4.723	84	12453	7.983	ug/l	89
21) trans-1,2-Dichloroethene	5.235	96	7381	5.301	ug/l	97
22) Diisopropyl ether	6.131	45	23157	4.847	ug/l	97
23) Vinyl Acetate	6.070	43	66898	23.360	ug/l	99
24) 1,1-Dichloroethane	6.027	63	13547	5.282	ug/l	97
25) 2-Butanone	6.990	43	13801	24.718	ug/l	97
26) 2,2-Dichloropropane	6.990	77	12627	5.383	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	8175	5.243	ug/l	97
28) Bromochloromethane	7.344	49	5636	5.277	ug/l	97
29) Tetrahydrofuran	7.356	42	8876	25.168	ug/l	95
30) Chloroform	7.515	83	14128	5.522	ug/l	97
31) Cyclohexane	7.795	56	15456	5.685	ug/l #	79
32) 1,1,1-Trichloroethane	7.710	97	12979	5.494	ug/l	98
36) 1,1-Dichloropropene	7.923	75	11141	5.491	ug/l	99
37) Ethyl Acetate	7.082	43	6215	5.258	ug/l #	95
38) Carbon Tetrachloride	7.905	117	11910	5.559	ug/l	98
39) Methylcyclohexane	9.185	83	12969	5.089	ug/l	92
40) Benzene	8.167	78	31446	5.463	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	3666m	4.781	ug/l	
42) 1,2-Dichloroethane	8.240	62	11025	5.944	ug/l	100
43) Isopropyl Acetate	8.277	43	11587	5.111	ug/l	94
44) Trichloroethene	8.941	130	8646	5.815	ug/l	87
45) 1,2-Dichloropropane	9.222	63	7289	5.143	ug/l	98
46) Dibromomethane	9.307	93	4098	5.431	ug/l	95
47) Bromodichloromethane	9.502	83	10542	5.426	ug/l #	93
48) Methyl methacrylate	9.295	41	5347	4.916	ug/l	95
49) 1,4-Dioxane	9.301	88	1094	111.116	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	29339	24.923	ug/l	96
52) Toluene	10.246	92	19491	5.459	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	11483	5.420	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	12171	5.226	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	5957	5.610	ug/l	89
56) Ethyl methacrylate	10.514	69	7642	4.735	ug/l	94
57) 1,3-Dichloropropane	10.795	76	10307	5.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	20008	25.302	ug/l	95
59) 2-Hexanone	10.837	43	21066	25.126	ug/l	99
60) Dibromochloromethane	10.984	129	7134	5.530	ug/l	98
61) 1,2-Dibromoethane	11.093	107	5152	5.124	ug/l	94
64) Tetrachloroethene	10.721	164	9329	6.100	ug/l	98
65) Chlorobenzene	11.520	112	20527	5.456	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	7710	5.561	ug/l	100
67) Ethyl Benzene	11.593	91	36147	5.097	ug/l	96
68) m/p-Xylenes	11.703	106	27415	10.187	ug/l	97
69) o-Xylene	12.032	106	13066	5.141	ug/l	92
70) Styrene	12.044	104	21551	4.993	ug/l	99
71) Bromoform	12.209	173	4582	5.314	ug/l #	98
73) Isopropylbenzene	12.331	105	33972	4.791	ug/l	98
74) N-amyl acetate	12.142	43	9954	4.522	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	6107	4.768	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	5373m	5.584	ug/l	
77) Bromobenzene	12.611	156	9069	5.455	ug/l	90
78) n-propylbenzene	12.672	91	42594	4.880	ug/l	98
79) 2-Chlorotoluene	12.758	91	24175	5.005	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	29106	4.909	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2285	4.667	ug/l	92
82) 4-Chlorotoluene	12.855	91	25139	5.032	ug/l	100
83) tert-Butylbenzene	13.075	119	24644	4.861	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	28397	4.850	ug/l	99
85) sec-Butylbenzene	13.252	105	37446	4.888	ug/l	97
86) p-Isopropyltoluene	13.373	119	30961	4.789	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	17194	5.220	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	17741	5.462	ug/l	97
89) n-Butylbenzene	13.697	91	29026	4.725	ug/l	99
90) Hexachloroethane	13.959	117	6319	5.382	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	15542	5.396	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1301	5.332	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	9270	4.870	ug/l	100
94) Hexachlorobutadiene	15.111	225	6567	5.288	ug/l	98
95) Naphthalene	15.233	128	16806	4.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	8015	4.751	ug/l	98

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

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