

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004116.D
 Acq On : 18 Mar 2021 12:47
 Operator : SY/MD
 Sample : M1458-03
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 3:32:13 PM

Quant Time: Mar 19 02:35:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 19 02:34:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	206970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	326011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	291150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147322	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94095	46.07	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.14%		
35) Dibromofluoromethane	7.728	113	89604	48.74	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.48%		
50) Toluene-d8	10.185	98	336541	46.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.38%		
62) 4-Bromofluorobenzene	12.483	95	121210	45.54	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	4644	2.79	ug/l	99
3) Chloromethane	2.119	50	6418	2.87	ug/l	98
4) Vinyl Chloride	2.259	62	6955	2.78	ug/l	98
5) Bromomethane	2.668	94	5368	3.36	ug/l	88
6) Chloroethane	2.802	64	4234	2.78	ug/l	95
7) Trichlorofluoromethane	3.143	101	9269	2.79	ug/l	94
8) Diethyl Ether	3.534	74	3033	2.85	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	5137	2.76	ug/l	96
10) Methyl Iodide	4.107	142	4148	2.18	ug/l	94
11) Tert butyl alcohol	4.972	59	2588	14.01	ug/l #	90
12) 1,1-Dichloroethene	3.887	96	5433	2.99	ug/l	82
13) Acrolein	3.735	56	1816	9.91	ug/l	100
14) Allyl chloride	4.491	41	6974	2.32	ug/l #	87
15) Acrylonitrile	5.174	53	6723	12.69	ug/l	98
16) Acetone	3.960	43	6345	12.87	ug/l	97
17) Carbon Disulfide	4.204	76	13721	2.56	ug/l #	92
18) Methyl Acetate	4.497	43	3960	3.25	ug/l	91
19) Methyl tert-butyl Ether	5.228	73	13505	2.61	ug/l	95
20) Methylene Chloride	4.735	84	14276	6.00	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	5775	2.82	ug/l #	83
22) Diisopropyl ether	6.131	45	15199	2.39	ug/l	98
23) Vinyl Acetate	6.076	43	44781	10.71	ug/l	100
24) 1,1-Dichloroethane	6.033	63	9174	2.60	ug/l #	89
25) 2-Butanone	6.996	43	8316	11.70	ug/l	96
26) 2,2-Dichloropropane	6.990	77	8910	2.64	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	6177	2.65	ug/l	90
28) Bromochloromethane	7.350	49	3732	2.42	ug/l #	87
29) Tetrahydrofuran	7.362	42	5506	11.93	ug/l	89
30) Chloroform	7.521	83	9906	2.71	ug/l	96
31) Cyclohexane	7.795	56	12772	3.56	ug/l #	58
32) 1,1,1-Trichloroethane	7.710	97	8992	2.65	ug/l	99
36) 1,1-Dichloropropene	7.929	75	7763	2.71	ug/l	98
37) Ethyl Acetate	7.082	43	3599	2.33	ug/l #	95
38) Carbon Tetrachloride	7.911	117	7825	2.58	ug/l	92
39) Methylcyclohexane	9.191	83	10190	2.75	ug/l	90
40) Benzene	8.167	78	22106	2.74	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2424m	2.54	ug/l	
42) 1,2-Dichloroethane	8.246	62	6616	2.68	ug/l	98
43) Isopropyl Acetate	8.289	43	6934	2.24	ug/l #	91
44) Trichloroethene	8.947	130	7026	3.01	ug/l	95
45) 1,2-Dichloropropane	9.222	63	5086	2.52	ug/l	91
46) Dibromomethane	9.313	93	3269	2.84	ug/l	94
47) Bromodichloromethane	9.502	83	7461	2.60	ug/l #	98
48) Methyl methacrylate	9.295	41	3460	2.35	ug/l	91
49) 1,4-Dioxane	9.301	88	621	42.36	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	17742	11.32	ug/l	98
52) Toluene	10.246	92	14415	2.76	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	7384	2.43	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	8176	2.41	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	4461	2.75	ug/l	96
56) Ethyl methacrylate	10.514	69	4946	2.18	ug/l #	92
57) 1,3-Dichloropropane	10.795	76	7263	2.62	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	15765	15.69	ug/l	94
59) 2-Hexanone	10.837	43	12038	10.93	ug/l	98
60) Dibromochloromethane	10.990	129	5274	2.59	ug/l	99
61) 1,2-Dibromoethane	11.093	107	4113	2.61	ug/l	96
64) Tetrachloroethene	10.721	164	7916	3.25	ug/l	92
65) Chlorobenzene	11.520	112	15495	2.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	5343	2.56	ug/l	92
67) Ethyl Benzene	11.593	91	27574	2.69	ug/l	98
68) m/p-Xylenes	11.709	106	21180	5.42	ug/l	95
69) o-Xylene	12.032	106	9839	2.66	ug/l	98
70) Styrene	12.044	104	15761	2.49	ug/l	98
71) Bromoform	12.209	173	2940	2.35	ug/l #	97
73) Isopropylbenzene	12.331	105	27841	2.72	ug/l	100
74) N-amyl acetate	12.148	43	6017	2.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	4341	2.44	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	3524m	2.49	ug/l	
77) Bromobenzene	12.611	156	6865	2.90	ug/l	99
78) n-propylbenzene	12.672	91	32453	2.69	ug/l	98
79) 2-Chlorotoluene	12.758	91	18843	2.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	23004	2.65	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1609m	2.25	ug/l	
82) 4-Chlorotoluene	12.855	91	19618	2.74	ug/l	97
83) tert-Butylbenzene	13.075	119	19801	2.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	23557	2.71	ug/l	98
85) sec-Butylbenzene	13.257	105	27866	2.70	ug/l	99
86) p-Isopropyltoluene	13.373	119	25948	2.72	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	13623	2.98	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	13675	3.00	ug/l	90
89) n-Butylbenzene	13.703	91	23298	2.56	ug/l	98
90) Hexachloroethane	13.965	117	4307	2.51	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	12121	2.99	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	895	2.66	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	8431	3.07	ug/l	97
94) Hexachlorobutadiene	15.117	225	4470	2.90	ug/l	98
95) Naphthalene	15.239	128	15948	2.93	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	6687	2.90	ug/l	91

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

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TIC: VY004116.D\data.ms

Abundance

Time-->

Peak Labels:

- Dichlorodifluoromethane, T
- Chloromethane, P
- Vinyl Chloride, C
- Bromomethane, T
- Chloroethane, I
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acrolein, T
- Acetone, T
- 1,1-Dichloroethane, T
- Methyl sulfide, T
- Allyl Alcohol, T
- Methylene Chloride, T
- Tert butyl alcohol, T
- Acetylene, T
- 1,1-Dichloroethane, P
- 1,1-Dichloroethane, T
- Ethyl Acrylate, T
- 2,2-Dibromopropane, T
- Methoxychlor, T
- Chloroform, C
- Carbon disulfide, T
- 1,1,1-Trichloroethane, S
- 1,1,2-Dichloroethane, d4, S
- Isobutylene, TM
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- 2,2,4-Trimethylpentane, T
- Bromochloromethane, T
- cis-1,3-Dichloropropene, T
- 4-Methyl-2-Pentanone, T
- Toluene, CM
- Ethylbenzene, T
- 1,1,2-Trichloroethane, T
- 1,3-Dibromopropane, T
- Dibromochloromethane, T
- Chlorobenzene-d5, I
- Chlorobenzene, T
- m,p-Xylenes, I
- Oxylene, T
- Bromonitroethane, I
- trans-1,4-Dibromocyclohexane, T
- 1,2,3-Trichlorobenzene, P
- 4-Chlorophenylbenzene, T
- tert-Butylbenzene, T
- sec-Butylbenzene, I
- 1,4-Dichlorobenzene, T
- 1,4-Dichlorobenzene, I
- 1,2-Dibromoethane, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- 1,2,4-Trichlorobenzene, T
- Naphthalene, I
- 1,2,3-Trichlorobenzene, T