

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062221\
 Data File : VY005194.D
 Acq On : 22 Jun 2021 13:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/23/2021 5:30:30 PM

Quant Time: Jun 23 07:05:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:02:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	337842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	472495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	430055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	223503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	147981	52.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.560%	
35) Dibromofluoromethane	7.728	113	147687	53.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.000%	
50) Toluene-d8	10.185	98	599598	53.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.620%	
62) 4-Bromofluorobenzene	12.483	95	197237	53.115	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	105861	47.653	ug/l	100
3) Chloromethane	2.119	50	135534	45.809	ug/l	100
4) Vinyl Chloride	2.253	62	164978	48.771	ug/l	100
5) Bromomethane	2.656	94	100665	46.917	ug/l	100
6) Chloroethane	2.802	64	102532	46.351	ug/l	100
7) Trichlorofluoromethane	3.131	101	222345	49.167	ug/l	100
8) Diethyl Ether	3.534	74	82636	48.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	138214	49.922	ug/l	100
10) Methyl Iodide	4.101	142	194559	49.400	ug/l	100
11) Tert butyl alcohol	4.972	59	81853	153.676	ug/l	100
12) 1,1-Dichloroethene	3.881	96	138027	49.345	ug/l	100
13) Acrolein	3.741	56	30783	223.455	ug/l	100
14) Allyl chloride	4.491	41	199735	49.710	ug/l	100
15) Acrylonitrile	5.180	53	197174	250.900	ug/l	100
16) Acetone	3.960	43	160472	247.768	ug/l	100
17) Carbon Disulfide	4.204	76	433914	49.321	ug/l	100
18) Methyl Acetate	4.491	43	81701	47.466	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	381693	49.910	ug/l	100
20) Methylene Chloride	4.728	84	173261	37.802	ug/l	100
21) trans-1,2-Dichloroethene	5.234	96	154382	49.567	ug/l	100
22) Diisopropyl ether	6.131	45	415234	49.714	ug/l	100
23) Vinyl Acetate	6.076	43	1369254	253.324	ug/l	100
24) 1,1-Dichloroethane	6.027	63	257432	49.661	ug/l	100
25) 2-Butanone	7.002	43	237955	251.964	ug/l	100
26) 2,2-Dichloropropane	6.990	77	224486	49.660	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	174723	49.878	ug/l	100
28) Bromochloromethane	7.344	49	110805	53.424	ug/l	100
29) Tetrahydrofuran	7.362	42	156748	252.269	ug/l	100
30) Chloroform	7.515	83	260248	49.334	ug/l	100
31) Cyclohexane	7.795	56	242716	48.492	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	234925	49.932	ug/l	100
36) 1,1-Dichloropropene	7.923	75	207835	49.953	ug/l	100
37) Ethyl Acetate	7.082	43	109975	51.257	ug/l	100
38) Carbon Tetrachloride	7.911	117	218226	50.105	ug/l	100
39) Methylcyclohexane	9.185	83	275478	51.160	ug/l	100
40) Benzene	8.167	78	613418	49.999	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	63715m	51.972	ug/l	
42) 1,2-Dichloroethane	8.246	62	165247	49.589	ug/l	100
43) Isopropyl Acetate	8.283	43	198657	50.373	ug/l	100
44) Trichloroethene	8.947	130	175460	50.586	ug/l	100
45) 1,2-Dichloropropane	9.222	63	146861	50.026	ug/l	100
46) Dibromomethane	9.313	93	85176	49.890	ug/l	100
47) Bromodichloromethane	9.502	83	201087	50.232	ug/l	100
48) Methyl methacrylate	9.301	41	87410	50.522	ug/l	100
49) 1,4-Dioxane	9.307	88	23286	1037.189	ug/l	100
51) 4-Methyl-2-Pentanone	10.075	43	526335	254.988	ug/l	100
52) Toluene	10.246	92	393271	50.151	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	218915	49.957	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	249623	50.528	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	124292	49.852	ug/l	100
56) Ethyl methacrylate	10.514	69	176856	52.255	ug/l	100
57) 1,3-Dichloropropane	10.794	76	210351	50.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	381203	255.372	ug/l	100
59) 2-Hexanone	10.837	43	368309	259.427	ug/l	100
60) Dibromochloromethane	10.990	129	154823	50.693	ug/l	100
61) 1,2-Dibromoethane	11.093	107	122272	50.416	ug/l	100
64) Tetrachloroethene	10.721	164	160750	50.654	ug/l	100
65) Chlorobenzene	11.520	112	428270	50.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	159152	50.305	ug/l	100
67) Ethyl Benzene	11.593	91	743518	50.586	ug/l	100
68) m/p-Xylenes	11.703	106	598124	101.570	ug/l	100
69) o-Xylene	12.032	106	284574	51.033	ug/l	100
70) Styrene	12.044	104	481215	51.324	ug/l	100
71) Bromoform	12.209	173	110209	51.194	ug/l	100
73) Isopropylbenzene	12.331	105	736367	50.797	ug/l	100
74) N-amyl acetate	12.148	43	175654	51.200	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	141966	49.701	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	99208m	51.463	ug/l	
77) Bromobenzene	12.611	156	194052	50.447	ug/l	100
78) n-propylbenzene	12.672	91	869009	50.838	ug/l	100
79) 2-Chlorotoluene	12.758	91	486472	50.450	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	611178	50.965	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	53704	50.549	ug/l	100
82) 4-Chlorotoluene	12.855	91	502373	50.359	ug/l	100
83) tert-Butylbenzene	13.081	119	557123	52.111	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	603416	50.895	ug/l	100
85) sec-Butylbenzene	13.257	105	798871	51.361	ug/l	100
86) p-Isopropyltoluene	13.373	119	689157	51.352	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	367388	50.026	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	363523	50.056	ug/l	100
89) n-Butylbenzene	13.696	91	602449	51.103	ug/l	100
90) Hexachloroethane	13.965	117	123525	50.953	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	326088	50.087	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	23463	49.313	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	232112	50.585	ug/l	100
94) Hexachlorobutadiene	15.117	225	147727	51.442	ug/l	100
95) Naphthalene	15.239	128	440284	51.987	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	207155	51.261	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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6/23/2021 5:30:30 PM

Abundance

TIC: VY005194.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

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100000
0

Chemical compounds identified (from top to bottom of the plot):

- Dichlorodifluoromethane, T
- Chloromethane, P
- Vinyl Chloride, C
- Chloroethane, T
- Bromomethane, T
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acrolein, T
- Acetone, T
- 1,1,2-Trichloroethane, T
- Methyl Isocyanide, T
- Methyl Isocyanide, T
- Methyl Isocyanide, T
- Methylene Chloride, T
- Tert butyl alcohol, T
- Acrylonitrile, T
- 1,1-Dichloroethane, P
- Diisopropyl ether, T
- Vinyl Acetate, T
- Ethyl Acetate, T
- 2,2,4,4-Tetrafluoropentane, T
- Methacrylonitrile, T
- Chloroform, C
- Dichlorodifluoromethane, T
- Pentachlorobenzene, T
- Carbonyl sulfide, T
- 1,2-Dichloroethane, TM
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- Dibromodichloromethane, T
- Bromodichloromethane, T
- 2-Chloroethyl Vinyl ether, T
- 4-Methyl-2-Pentanone, T
- 1,3-Dichlorobenzene, T
- Ethyl Acetate, T
- 1,2-Dichloroethane, T
- 1,3-Dichlorobenzene, T
- Dibromodichloromethane, T
- 1,2-Dibromodichloromethane, T
- Citronellal, T
- Ethyl Acetate, T
- 1,3-Dichlorobenzene, T
- o-Xylene, T
- Isopropylbenzene, T
- n-Propylbenzene, T
- 1,3,5-Trimethylbenzene, T
- sec-Butylbenzene, T
- 1,2,4-Trimethylbenzene, T
- n-Butylbenzene, T
- 1,2-Dichloroethane, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- Naphthalene, I
- 1,2,3-Trichlorobenzene, T
- 1,2,4-Trichlorobenzene, T
- Hexachlorobutadiene, I