

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080221\
 Data File : VY005518.D
 Acq On : 02 Aug 2021 11:17
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:50:38 PM

Quant Time: Aug 03 04:37:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	307088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	449517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	412220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	204786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	473255	152.246	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 304.500%#			
35) Dibromofluoromethane	7.728	113	386451	153.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 307.100%#			
50) Toluene-d8	10.185	98	1594699	151.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 302.160%#			
62) 4-Bromofluorobenzene	12.483	95	521589	149.226	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 298.460%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	318819	126.405	ug/l	97
3) Chloromethane	2.119	50	434898	144.348	ug/l	99
4) Vinyl Chloride	2.259	62	508814	140.996	ug/l	99
5) Bromomethane	2.631	94	327441	137.850	ug/l	99
6) Chloroethane	2.790	64	296232	135.993	ug/l	99
7) Trichlorofluoromethane	3.131	101	645556	133.608	ug/l	99
8) Diethyl Ether	3.540	74	244461	144.862	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	365280	139.377	ug/l	100
10) Methyl Iodide	4.101	142	487358	149.262	ug/l	100
11) Tert butyl alcohol	4.978	59	225557	734.005	ug/l	99
12) 1,1-Dichloroethene	3.881	96	369479	139.611	ug/l	98
13) Acrolein	3.741	56	153139	825.971	ug/l	99
14) Allyl chloride	4.491	41	680192	146.742	ug/l	99
15) Acrylonitrile	5.174	53	660279	763.458	ug/l	99
16) Acetone	3.960	43	567653	724.299	ug/l	97
17) Carbon Disulfide	4.204	76	1111804	136.282	ug/l	99
18) Methyl Acetate	4.491	43	299114	145.928	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	1232262	150.302	ug/l	99
20) Methylene Chloride	4.729	84	426560	108.371	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	419483	141.774	ug/l	98
22) Diisopropyl ether	6.131	45	1409848	147.433	ug/l	98
23) Vinyl Acetate	6.070	43	4879112	766.685	ug/l	99
24) 1,1-Dichloroethane	6.027	63	769653	145.232	ug/l	100
25) 2-Butanone	6.996	43	887874	766.397	ug/l	99
26) 2,2-Dichloropropane	6.990	77	693321	143.193	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	489047	145.325	ug/l	98
28) Bromochloromethane	7.344	49	298714	141.225	ug/l	98
29) Tetrahydrofuran	7.356	42	587048	766.127	ug/l	100
30) Chloroform	7.515	83	777427	143.729	ug/l	98
31) Cyclohexane	7.795	56	719445	134.932	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	713963	143.590	ug/l	100
36) 1,1-Dichloropropene	7.923	75	605128	143.526	ug/l	99
37) Ethyl Acetate	7.082	43	391310	153.202	ug/l	100
38) Carbon Tetrachloride	7.911	117	651985	142.283	ug/l	100
39) Methylcyclohexane	9.191	83	781904	145.769	ug/l	98
40) Benzene	8.167	78	1745756	144.594	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	211646m	140.137	ug/l	
42) 1,2-Dichloroethane	8.246	62	566222	144.581	ug/l	100
43) Isopropyl Acetate	8.283	43	754424	156.010	ug/l	98
44) Trichloroethene	8.947	130	470786	142.869	ug/l	99
45) 1,2-Dichloropropane	9.222	63	445510	147.495	ug/l	99
46) Dibromomethane	9.313	93	247776	148.356	ug/l	98
47) Bromodichloromethane	9.502	83	611043	146.187	ug/l	100
48) Methyl methacrylate	9.301	41	344216	157.505	ug/l	98
49) 1,4-Dioxane	9.307	88	71918	3098.407	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	1979536	777.311	ug/l	99
52) Toluene	10.246	92	1118613	145.303	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	699003	149.638	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	752104	148.357	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	356959	147.717	ug/l	98
56) Ethyl methacrylate	10.514	69	564156	155.912	ug/l	99
57) 1,3-Dichloropropane	10.794	76	631139	148.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	1402882	811.405	ug/l	100
59) 2-Hexanone	10.837	43	1384004	768.910	ug/l	99
60) Dibromochloromethane	10.990	129	441133	147.508	ug/l	99
61) 1,2-Dibromoethane	11.093	107	340741	148.856	ug/l	100
64) Tetrachloroethene	10.721	164	431851	137.631	ug/l	98
65) Chlorobenzene	11.520	112	1196704	144.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	462426	148.113	ug/l	99
67) Ethyl Benzene	11.599	91	2208920	146.852	ug/l	100
68) m/p-Xylenes	11.709	106	1718952	294.225	ug/l	99
69) o-Xylene	12.032	106	823602	146.672	ug/l	99
70) Styrene	12.044	104	1409048	149.077	ug/l	99
71) Bromoform	12.215	173	301170	148.749	ug/l #	99
73) Isopropylbenzene	12.331	105	2106333	147.351	ug/l	100
74) N-amyl acetate	12.148	43	671381	156.025	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	417627	151.897	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	316468m	178.641	ug/l	
77) Bromobenzene	12.611	156	522606	148.807	ug/l	98
78) n-propylbenzene	12.672	91	2487986	146.545	ug/l	100
79) 2-Chlorotoluene	12.758	91	1401710	147.031	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	1739830	146.659	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	164317	156.086	ug/l	96
82) 4-Chlorotoluene	12.855	91	1440854	146.071	ug/l	100
83) tert-Butylbenzene	13.081	119	1564597	146.979	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1739457	148.601	ug/l	99
85) sec-Butylbenzene	13.257	105	2227228	145.060	ug/l	99
86) p-Isopropyltoluene	13.373	119	1957774	148.517	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	1008939	147.232	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	976784	143.685	ug/l	100
89) n-Butylbenzene	13.696	91	1744041	146.037	ug/l	100
90) Hexachloroethane	13.965	117	350861	148.042	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	879826	145.354	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	78854	151.293	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	633064	152.253	ug/l	100
94) Hexachlorobutadiene	15.117	225	389141	144.541	ug/l	99
95) Naphthalene	15.239	128	1315048	160.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	568012	154.196	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

MMDadoda
8/3/2021 4:50:38 PM

Abundance

TIC: VY005518.D\data.ms

Time-->

7000000

6500000

6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

500000

0

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

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

1,1,1-Trichloroethane, T

Methyl Carbon Disulfide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl tert-Butyl Ether, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

2,2,4,4-Tetrafluoromethane, T

Methacrylonitrile, T

Chloroform, C

Dibutylamine, T

Diethylamine, T

1,2-Dichloroethane, T

1,2-Dichloroethane-04, T

1,4-Difluorobenzene, T

Trichloroethene, TM

1,1,1-Trichloro-2-methyl-2-propylcyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

Ethyl acetate, T

1,2-Dichloroethane, T

1,3-Dichloropropane, T

2-Hexanone, T

1,2-Dibromodichloromethane, T

Chlorobenzene, PM

Ethyl Benzene, T

Chlorobenzene, T

m,p-Xylenes, T

o-Xylene, T

Isopropylbenzene, T

Bromobenzene, T

4-Bromofluorobenzene, S

trans-1,4-Dichloro-2-butene, T

1,1,2,2-Tetrachloroethane, T

1,1,2,2-Tetrachloroethane, T

1,3-Dichlorobenzene, T

2-Chlorotoluene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

p-Isopropyltoluene, T

1,4-Dichlorobenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T