

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080221\
 Data File : VY005517.D
 Acq On : 02 Aug 2021 10:54
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:50:37 PM

Quant Time: Aug 03 04:36:29 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	303803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	443390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	405998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	204103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	298234	96.979	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	193.960%#
35) Dibromofluoromethane	7.728	113	243702	98.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	196.340%#
50) Toluene-d8	10.185	98	1012123	97.215	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	194.440%#
62) 4-Bromofluorobenzene	12.483	95	330480	95.857	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	191.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	218983	87.761	ug/l	97
3) Chloromethane	2.119	50	286469	96.111	ug/l	100
4) Vinyl Chloride	2.259	62	347693	97.390	ug/l	100
5) Bromomethane	2.643	94	208099	88.555	ug/l	98
6) Chloroethane	2.796	64	201216	93.372	ug/l	100
7) Trichlorofluoromethane	3.131	101	438986	91.838	ug/l	100
8) Diethyl Ether	3.540	74	160247	95.986	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.911	101	245395	94.646	ug/l	99
10) Methyl Iodide	4.100	142	333516	103.250	ug/l	99
11) Tert butyl alcohol	4.972	59	147203	484.206	ug/l	100
12) 1,1-Dichloroethene	3.881	96	248495	94.911	ug/l	94
13) Acrolein	3.741	56	98592	537.516	ug/l	99
14) Allyl chloride	4.491	41	451076	98.366	ug/l	100
15) Acrylonitrile	5.180	53	431907	504.799	ug/l	99
16) Acetone	3.960	43	408675	527.089	ug/l	97
17) Carbon Disulfide	4.204	76	757018	93.797	ug/l	98
18) Methyl Acetate	4.491	43	192030	94.698	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	814899	100.470	ug/l	100
20) Methylene Chloride	4.735	84	291408	74.835	ug/l	91
21) trans-1,2-Dichloroethene	5.234	96	282808	96.615	ug/l	99
22) Diisopropyl ether	6.131	45	941827	99.555	ug/l	97
23) Vinyl Acetate	6.076	43	3208962	509.696	ug/l	99
24) 1,1-Dichloroethane	6.027	63	517993	98.801	ug/l	99
25) 2-Butanone	6.996	43	596412	520.379	ug/l	99
26) 2,2-Dichloropropane	6.996	77	468617	97.831	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	326985	98.217	ug/l	99
28) Bromochloromethane	7.344	49	198277	94.754	ug/l	99
29) Tetrahydrofuran	7.356	42	379170	500.186	ug/l	99
30) Chloroform	7.515	83	522946	97.726	ug/l	98
31) Cyclohexane	7.795	56	483264	91.616	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	484344	98.463	ug/l	99
36) 1,1-Dichloropropene	7.929	75	409097	98.372	ug/l	99
37) Ethyl Acetate	7.088	43	253850	100.759	ug/l	99
38) Carbon Tetrachloride	7.911	117	440269	97.408	ug/l	99
39) Methylcyclohexane	9.191	83	524633	99.158	ug/l	99
40) Benzene	8.167	78	1171037	98.333	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	137432m	92.255	ug/l	
42) 1,2-Dichloroethane	8.246	62	379571	98.260	ug/l	100
43) Isopropyl Acetate	8.283	43	488836	102.485	ug/l	99
44) Trichloroethene	8.947	130	317400	97.652	ug/l	98
45) 1,2-Dichloropropane	9.222	63	294389	98.810	ug/l	99
46) Dibromomethane	9.313	93	164307	99.739	ug/l	99
47) Bromodichloromethane	9.502	83	411484	99.804	ug/l	100
48) Methyl methacrylate	9.301	41	224439	104.117	ug/l	97
49) 1,4-Dioxane	9.307	88	46181	2017.086	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	1297112	516.380	ug/l	100
52) Toluene	10.252	92	756353	99.605	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	465097	100.941	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	503150	100.621	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	235272	98.706	ug/l	98
56) Ethyl methacrylate	10.514	69	370857	103.908	ug/l	99
57) 1,3-Dichloropropane	10.794	76	419112	99.711	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	933638	547.464	ug/l	100
59) 2-Hexanone	10.837	43	926163	521.658	ug/l	99
60) Dibromochloromethane	10.989	129	296104	100.381	ug/l	100
61) 1,2-Dibromoethane	11.093	107	224949	99.629	ug/l	99
64) Tetrachloroethene	10.721	164	294143	95.180	ug/l	99
65) Chlorobenzene	11.520	112	804564	98.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	306173	99.569	ug/l	99
67) Ethyl Benzene	11.599	91	1478897	99.826	ug/l	100
68) m/p-Xylenes	11.709	106	1149698	199.805	ug/l	100
69) o-Xylene	12.032	106	552522	99.904	ug/l	98
70) Styrene	12.050	104	937700	100.729	ug/l	99
71) Bromoform	12.215	173	200744	100.668	ug/l	100
73) Isopropylbenzene	12.331	105	1438128	100.943	ug/l	100
74) N-amyl acetate	12.148	43	445764	103.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	277369	101.221	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	211623m	119.857	ug/l	
77) Bromobenzene	12.611	156	352909	100.824	ug/l	99
78) n-propylbenzene	12.672	91	1698842	100.398	ug/l	100
79) 2-Chlorotoluene	12.757	91	950658	100.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	1173473	99.249	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	106497	101.501	ug/l	99
82) 4-Chlorotoluene	12.861	91	978290	99.509	ug/l	100
83) tert-Butylbenzene	13.081	119	1058005	99.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1178042	100.976	ug/l	100
85) sec-Butylbenzene	13.257	105	1526783	99.773	ug/l	99
86) p-Isopropyltoluene	13.373	119	1315240	100.108	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	679282	99.458	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	656754	96.932	ug/l	99
89) n-Butylbenzene	13.702	91	1185004	99.558	ug/l	100
90) Hexachloroethane	13.965	117	236155	99.977	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	595176	98.657	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	52732	101.512	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	413974	99.895	ug/l	100
94) Hexachlorobutadiene	15.117	225	263425	98.173	ug/l	100
95) Naphthalene	15.239	128	846211	103.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	368666	100.415	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 4:50:37 PM

Abundance

TIC: VY00517.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

4800000

4600000

4400000

4200000

4000000

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

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 1,2-Dichloroethane, T

1,1-Dichloroethane, P

Disopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

Methyl Chloromethane, T

Chloroform, C

Dibromodichloromethane, T

1,1-Dichloropropane, T

1,2-Dichloroethane, T

1,2-Dichloroethane, TM

1,4-Difluorobenzene, I

Trichloroethene, TM

Dichlorodifluoromethane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

4-Methyl-2-Pentanone, T

2-Chloroethyl Vinyl ether, T

Ioluene-4, S

Ethyl 1,2-Dichloropropene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

Hexanone, T

Dibromochloromethane, T

1,2-Dibromochloromethane, T

Chlorobenzene, PM

Chlorobenzene, IS

N-aryl acetate, T

Bromotoluene, P

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

Bromofluorobenzene, S

Bromobenzene, T

1,2-Dichlorobenzene, T

4-Chlorobenzene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,2,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Naphthalene, I

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

1,2,3-Trichlorobenzene, T

p-Isopropyltoluene, T

Dichlorobenzene, T

m,p-Xylenes, T

Styrene, T

o-Xylene, T

Isopropylbenzene, T

n-Propylbenzene, T

1,3,5-Trimethylbenzene, T

1,2,4-Dichlorobenzene, T

n-Butylbenzene, T