

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071822\
 Data File : VY009576.D
 Acq On : 18 Jul 2022 16:25
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/19/2022
 Supervised By :Mahesh Dadoda 07/19/2022

Quant Time: Jul 19 02:52:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 02:49:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	209769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	315457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	288989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	293869	148.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 296.260%#	
35) Dibromofluoromethane	7.710	113	297211	149.550	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 299.100%#	
50) Toluene-d8	10.173	98	1150953	150.648	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 301.300%#	
62) 4-Bromofluorobenzene	12.477	95	387737	156.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 313.240%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	256372	139.283	ug/l	100
3) Chloromethane	2.107	50	374237	137.200	ug/l	96
4) Vinyl Chloride	2.241	62	399057	139.900	ug/l	98
5) Bromomethane	2.613	94	252824	130.954	ug/l	97
6) Chloroethane	2.771	64	242725	140.087	ug/l	99
7) Trichlorofluoromethane	3.107	101	486171	143.835	ug/l	94
8) Diethyl Ether	3.515	74	167321	151.299	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.881	101	280066	141.695	ug/l	95
10) Methyl Iodide	4.076	142	401244	152.824	ug/l #	88
11) Tert butyl alcohol	4.948	59	137769	589.476	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	278870	144.563	ug/l	84
13) Acrolein	3.716	56	105809	746.011	ug/l	97
14) Allyl chloride	4.460	41	458306	153.583	ug/l #	91
15) Acrylonitrile	5.149	53	423384	775.165	ug/l	98
16) Acetone	3.936	43	363763	724.821	ug/l	90
17) Carbon Disulfide	4.174	76	861946	143.731	ug/l	100
18) Methyl Acetate	4.460	43	198236	140.717	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	807912	158.908	ug/l	98
20) Methylene Chloride	4.698	84	327534	91.267	ug/l	87
21) trans-1,2-Dichloroethene	5.204	96	323126	147.995	ug/l	88
22) Diisopropyl ether	6.106	45	1000369	156.991	ug/l	93
23) Vinyl Acetate	6.045	43	3336638	829.916	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	549885	149.410	ug/l	99
25) 2-Butanone	6.978	43	580152	792.487	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	478039	144.992	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	368954	152.842	ug/l	87
28) Bromochloromethane	7.326	49	247991	157.264	ug/l	86
29) Tetrahydrofuran	7.338	42	389565	810.529	ug/l	91
30) Chloroform	7.496	83	557898	148.185	ug/l	100
31) Cyclohexane	7.777	56	492998	140.930	ug/l	94
32) 1,1,1-Trichloroethane	7.691	97	498401	147.590	ug/l	96
36) 1,1-Dichloropropene	7.905	75	435068	148.144	ug/l	96
37) Ethyl Acetate	7.069	43	254695	155.824	ug/l	95
38) Carbon Tetrachloride	7.892	117	451974	147.018	ug/l	98
39) Methylcyclohexane	9.173	83	551818	152.387	ug/l	91
40) Benzene	8.149	78	1278058	148.727	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	119701m	147.760	ug/l	
42) 1,2-Dichloroethane	8.228	62	361140	149.810	ug/l	92
43) Isopropyl Acetate	8.264	43	479922	160.240	ug/l #	93
44) Trichloroethene	8.935	130	363746	148.837	ug/l	96
45) 1,2-Dichloropropane	9.209	63	317849	150.760	ug/l	95
46) Dibromomethane	9.301	93	188285	153.767	ug/l	96
47) Bromodichloromethane	9.490	83	438947	152.877	ug/l	98
48) Methyl methacrylate	9.289	41	218770	165.328	ug/l #	87
49) 1,4-Dioxane	9.295	88	51899	3179.727	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	1270528	817.015	ug/l	91
52) Toluene	10.240	92	835140	153.425	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	473738	159.747	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	527711	156.501	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	263842	152.997	ug/l	98
56) Ethyl methacrylate	10.508	69	376924	170.841	ug/l #	83
57) 1,3-Dichloropropane	10.782	76	438425	153.203	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	950319	1159.740	ug/l	95
59) 2-Hexanone	10.825	43	894097	826.649	ug/l	89
60) Dibromochloromethane	10.983	129	324724	155.613	ug/l	100
61) 1,2-Dibromoethane	11.081	107	258941	153.901	ug/l	100
64) Tetrachloroethene	10.715	164	336438	148.757	ug/l	97
65) Chlorobenzene	11.514	112	880420	149.088	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	334631	152.516	ug/l	98
67) Ethyl Benzene	11.587	91	1607878	154.806	ug/l	97
68) m/p-Xylenes	11.697	106	1276560	308.827	ug/l	91
69) o-Xylene	12.026	106	608180	157.223	ug/l	91
70) Styrene	12.038	104	1041940	161.947	ug/l	94
71) Bromoform	12.203	173	218402	157.737	ug/l #	99
73) Isopropylbenzene	12.325	105	1562183	152.803	ug/l	99
74) N-amyl acetate	12.142	43	460891	169.509	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	304349	148.649	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	203543m	139.923	ug/l	
77) Bromobenzene	12.605	156	383252	149.075	ug/l	91
78) n-propylbenzene	12.666	91	1857997	150.402	ug/l	97
79) 2-Chlorotoluene	12.751	91	1035360	151.164	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	1283568	151.941	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	115080	161.318	ug/l #	84
82) 4-Chlorotoluene	12.849	91	1069240	150.478	ug/l	95
83) tert-Butylbenzene	13.074	119	1149718	153.187	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	1304220	154.373	ug/l	97
85) sec-Butylbenzene	13.251	105	1670444	150.117	ug/l	99
86) p-Isopropyltoluene	13.367	119	1447611	154.800	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	764575	150.341	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	740229	146.801	ug/l	97
89) n-Butylbenzene	13.690	91	1302832	152.545	ug/l	98
90) Hexachloroethane	13.958	117	264048	146.560	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	668020	150.361	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	49001	157.316	ug/l	69
93) 1,2,4-Trichlorobenzene	15.001	180	453350	162.580	ug/l	100
94) Hexachlorobutadiene	15.111	225	245321	148.301	ug/l	98
95) Naphthalene	15.233	128	931782	175.022	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	398512	162.695	ug/l	99

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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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Supervised By :Mahesh Dadoda 07/19/2022

Abundance

TIC: VY009576.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

5200000

4800000

4400000

4000000

3600000

3200000

2800000

2400000

2000000

1600000

1200000

800000

400000

0

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

1,1,1-Trichloroethane, T

1,1,2-Trichloroethane, T

Methyl Carbon Disulfide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acetonitrile, T

Methyl 1,2-Dibromomethane, T

1,1-Dichloroethane, T

Diisopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

Methacrylonitrile, T

Chloroform, C

Dibromomethane, T

1,2-Dibromomethane, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, T

Dibromocyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

Methyl-2-Pentanone, T

Toluene, CM

Ethyl 1,2-Dichloropropene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

2-Hexanone, T

1,2-Dibromomethane, T

Chlorobenzene, PM

Ethyl Benzene, T

m-Xylene, T

p-Xylene, T

Isopropylbenzene, T

n-Propylbenzene, T

1,3,5-Trimethylbenzene, T

2-Chlorotoluene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

n-Butylbenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T