

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011781.D
 Acq On : 13 Dec 2022 09:58
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 22:16:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	234720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	357468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	320476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76064	47.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.440%		
35) Dibromofluoromethane	7.722	113	80511	50.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.500%		
50) Toluene-d8	10.185	98	252758	48.318	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.483	95	104469	50.448	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48649	46.254	ug/l	97
3) Chloromethane	2.119	50	61124	48.581	ug/l	98
4) Vinyl Chloride	2.259	62	71896	47.768	ug/l	98
5) Bromomethane	2.656	94	49770	49.338	ug/l	99
6) Chloroethane	2.796	64	51491	44.239	ug/l	98
7) Trichlorofluoromethane	3.137	101	142782	44.252	ug/l	98
8) Diethyl Ether	3.534	74	49537	43.831	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	86853	45.092	ug/l	99
10) Methyl Iodide	4.095	142	100115	44.393	ug/l	97
11) Tert butyl alcohol	4.954	59	48459	257.114	ug/l	99
12) 1,1-Dichloroethene	3.881	96	77078	44.372	ug/l	97
13) Acrolein	3.735	56	79367	239.862	ug/l	99
14) Allyl chloride	4.485	41	129707	44.952	ug/l	100
15) Acrylonitrile	5.167	53	144144	237.620	ug/l	99
16) Acetone	3.948	43	165346	257.986	ug/l	98
17) Carbon Disulfide	4.204	76	168611	42.503	ug/l	99
18) Methyl Acetate	4.485	43	68108	44.430	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	255203	46.922	ug/l	98
20) Methylene Chloride	4.722	84	99685	42.853	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	88469	45.313	ug/l	99
22) Diisopropyl ether	6.119	45	304724	48.404	ug/l	98
23) Vinyl Acetate	6.064	43	916964	255.314	ug/l	99
24) 1,1-Dichloroethane	6.021	63	175251	45.810	ug/l	99
25) 2-Butanone	6.984	43	202134	245.187	ug/l	99
26) 2,2-Dichloropropane	6.984	77	164674	45.753	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	109647	45.951	ug/l	99
28) Bromochloromethane	7.338	49	65111	46.750	ug/l	99
29) Tetrahydrofuran	7.350	42	112192	239.098	ug/l	100
30) Chloroform	7.509	83	191348	46.786	ug/l	99
31) Cyclohexane	7.789	56	130366	47.538	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	169961	46.597	ug/l	98
36) 1,1-Dichloropropene	7.923	75	128042	47.202	ug/l	99
37) Ethyl Acetate	7.076	43	76762	48.403	ug/l	99
38) Carbon Tetrachloride	7.905	117	154080	48.355	ug/l	97
39) Methylcyclohexane	9.185	83	141823	46.466	ug/l	99
40) Benzene	8.161	78	381047	47.021	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	37607m	46.974	ug/l	
42) 1,2-Dichloroethane	8.240	62	120453	48.066	ug/l	99
43) Isopropyl Acetate	8.277	43	138372	48.118	ug/l	100
44) Trichloroethene	8.941	130	106255	46.817	ug/l	98
45) 1,2-Dichloropropane	9.222	63	99350	47.368	ug/l	98
46) Dibromomethane	9.307	93	55998	47.696	ug/l	99
47) Bromodichloromethane	9.496	83	145699	48.036	ug/l	97
48) Methyl methacrylate	9.295	41	62261	49.117	ug/l	99
49) 1,4-Dioxane	9.301	88	15681	964.096	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	402395	253.951	ug/l	99
52) Toluene	10.246	92	249791	48.486	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	146129	48.232	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	161374	47.407	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	84633	48.771	ug/l	100
56) Ethyl methacrylate	10.514	69	111148	49.617	ug/l	99
57) 1,3-Dichloropropane	10.795	76	139246	48.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	243808	234.715	ug/l	100
59) 2-Hexanone	10.831	43	296340	261.754	ug/l	100
60) Dibromochloromethane	10.984	129	106332	48.923	ug/l	99
61) 1,2-Dibromoethane	11.093	107	75412	47.969	ug/l	99
64) Tetrachloroethene	10.721	164	106236	46.854	ug/l	99
65) Chlorobenzene	11.520	112	274565	47.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	108937	48.629	ug/l	99
67) Ethyl Benzene	11.593	91	490629	48.221	ug/l	99
68) m/p-Xylenes	11.703	106	375800	96.445	ug/l	100
69) o-Xylene	12.032	106	180758	48.668	ug/l	99
70) Styrene	12.044	104	313279	49.421	ug/l	100
71) Bromoform	12.209	173	67609	48.930	ug/l	97
73) Isopropylbenzene	12.331	105	494564	49.147	ug/l	99
74) N-amyl acetate	12.148	43	117637	48.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	96040	49.006	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	68814m	43.792	ug/l	
77) Bromobenzene	12.611	156	113925	48.489	ug/l	100
78) n-propylbenzene	12.672	91	587029	48.679	ug/l	100
79) 2-Chlorotoluene	12.758	91	330224	47.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	418088	49.154	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	34288	49.515	ug/l	99
82) 4-Chlorotoluene	12.861	91	341434	47.830	ug/l	99
83) tert-Butylbenzene	13.081	119	375613	50.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	413002	49.316	ug/l	98
85) sec-Butylbenzene	13.258	105	542988	49.229	ug/l	99
86) p-Isopropyltoluene	13.373	119	454887	49.552	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	225223	47.634	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	222315	47.309	ug/l	100
89) n-Butylbenzene	13.696	91	414282	49.643	ug/l	99
90) Hexachloroethane	13.965	117	87280	47.846	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	201556	47.371	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16369	47.908	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	115831	46.676	ug/l	99
94) Hexachlorobutadiene	15.117	225	72939	46.259	ug/l	99
95) Naphthalene	15.239	128	233286	48.536	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	99872	46.592	ug/l	99

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

