

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014374.D
 Acq On : 22 Jun 2023 12:41
 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 06/23/2023
 Supervised By :Mahesh Dadoda 06/23/2023

Quant Time: Jun 22 17:18:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	226406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	335156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	319091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	183206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	138620	43.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.940%		
35) Dibromofluoromethane	7.728	113	116313	48.936	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.880%		
50) Toluene-d8	10.185	98	395839	44.546	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.100%		
62) 4-Bromofluorobenzene	12.489	95	164578	52.138	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	121962	48.336	ug/l	96
3) Chloromethane	2.119	50	128670	40.217	ug/l	97
4) Vinyl Chloride	2.253	62	141120	45.367	ug/l	100
5) Bromomethane	2.650	94	125239	48.797	ug/l	97
6) Chloroethane	2.796	64	91498	43.288	ug/l	96
7) Trichlorofluoromethane	3.131	101	265155	52.471	ug/l	99
8) Diethyl Ether	3.540	74	83593	49.540	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	134606	52.779	ug/l	98
10) Methyl Iodide	4.094	142	125669	37.316	ug/l	97
11) Tert butyl alcohol	4.966	59	110285	306.819	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	129103	49.942	ug/l	96
13) Acrolein	3.741	56	37204	254.054	ug/l	98
14) Allyl chloride	4.485	41	224293	47.866	ug/l	97
15) Acrylonitrile	5.167	53	259745	298.435	ug/l	99
16) Acetone	3.954	43	297994	313.568	ug/l	97
17) Carbon Disulfide	4.204	76	375425	44.817	ug/l	100
18) Methyl Acetate	4.485	43	201822	54.713	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	417725	54.789	ug/l	98
20) Methylene Chloride	4.722	84	159943	52.927	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	144265	50.036	ug/l	99
22) Diisopropyl ether	6.125	45	467245	52.080	ug/l	96
23) Vinyl Acetate	6.064	43	1454542	274.780	ug/l	97
24) 1,1-Dichloroethane	6.027	63	258489	49.971	ug/l	99
25) 2-Butanone	6.990	43	378509	323.562	ug/l	99
26) 2,2-Dichloropropane	6.984	77	256979	52.893	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	166143	51.511	ug/l	99
28) Bromochloromethane	7.338	49	88452	42.048	ug/l	92
29) Tetrahydrofuran	7.356	42	232039	312.807	ug/l	96
30) Chloroform	7.508	83	286318	52.173	ug/l	100
31) Cyclohexane	7.789	56	211488	50.075	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	265110	53.563	ug/l	99
36) 1,1-Dichloropropene	7.923	75	203835	55.008	ug/l	99
37) Ethyl Acetate	7.082	43	150683	58.935	ug/l	97
38) Carbon Tetrachloride	7.911	117	246669	57.685	ug/l	100
39) Methylcyclohexane	9.191	83	236891	57.619	ug/l	97
40) Benzene	8.167	78	587751	53.341	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	75557m	57.905	ug/l	
42) 1,2-Dichloroethane	8.246	62	212885	54.635	ug/l	100
43) Isopropyl Acetate	8.277	43	268066	59.820	ug/l	98
44) Trichloroethene	8.947	130	163188	55.432	ug/l	98
45) 1,2-Dichloropropane	9.222	63	148217	52.958	ug/l	99
46) Dibromomethane	9.313	93	94613	54.918	ug/l	98
47) Bromodichloromethane	9.502	83	220393	54.636	ug/l	97
48) Methyl methacrylate	9.295	41	124644	59.635	ug/l	96
49) 1,4-Dioxane	9.307	88	29928	1367.148	ug/l #	45
51) 4-Methyl-2-Pentanone	10.075	43	791643	325.166	ug/l	98
52) Toluene	10.252	92	378046	55.346	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	243849	57.424	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	251004	54.176	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	130278	57.013	ug/l	99
56) Ethyl methacrylate	10.514	69	193988	61.548	ug/l	96
57) 1,3-Dichloropropane	10.794	76	220112	56.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	385903	271.257	ug/l	97
59) 2-Hexanone	10.837	43	595746	338.800	ug/l	97
60) Dibromochloromethane	10.990	129	171204	58.538	ug/l	99
61) 1,2-Dibromoethane	11.093	107	130986	58.082	ug/l	98
64) Tetrachloroethene	10.727	164	168461	61.938	ug/l	95
65) Chlorobenzene	11.520	112	408423	53.268	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	165283	54.807	ug/l	99
67) Ethyl Benzene	11.599	91	745454	55.545	ug/l	99
68) m/p-Xylenes	11.709	106	579811	112.320	ug/l	98
69) o-Xylene	12.038	106	276404	56.634	ug/l	100
70) Styrene	12.050	104	478268	57.417	ug/l	99
71) Bromoform	12.215	173	124316	60.192	ug/l	99
73) Isopropylbenzene	12.337	105	743768	53.217	ug/l	100
74) N-amyl acetate	12.148	43	251394	56.762	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	168345	53.906	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	136692m	56.869	ug/l	
77) Bromobenzene	12.617	156	186473	50.764	ug/l	98
78) n-propylbenzene	12.678	91	908529	53.222	ug/l	99
79) 2-Chlorotoluene	12.764	91	512700	52.197	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	634879	53.053	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	62921	56.586	ug/l	97
82) 4-Chlorotoluene	12.861	91	540676	51.944	ug/l	100
83) tert-Butylbenzene	13.081	119	543639	53.458	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	636319	53.716	ug/l	99
85) sec-Butylbenzene	13.257	105	804144	54.389	ug/l	99
86) p-Isopropyltoluene	13.373	119	686727	54.271	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	365816	52.159	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	361498	51.157	ug/l	99
89) n-Butylbenzene	13.702	91	647446	55.166	ug/l	99
90) Hexachloroethane	13.965	117	134769	53.450	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	332452	52.778	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	34911	58.703	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	218921	54.862	ug/l	99
94) Hexachlorobutadiene	15.117	225	129749	56.321	ug/l	97
95) Naphthalene	15.239	128	476936	58.885	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	197304	54.719	ug/l	99

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

