

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014274.D
 Acq On : 20 Jun 2023 11:03
 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 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 02:06:05 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	7.789	168	227581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	141787	44.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.480%		
35) Dibromofluoromethane	7.716	113	121344	50.958	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.920%		
50) Toluene-d8	10.179	98	410505	46.111	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.483	95	169633	53.640	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	121844	48.039	ug/l	99
3) Chloromethane	2.113	50	136421	42.419	ug/l	100
4) Vinyl Chloride	2.247	62	145709	46.601	ug/l	98
5) Bromomethane	2.625	94	102988	39.921	ug/l	98
6) Chloroethane	2.784	64	90722	42.700	ug/l	94
7) Trichlorofluoromethane	3.119	101	257738	50.740	ug/l	98
8) Diethyl Ether	3.528	74	82454	48.613	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	136583	53.277	ug/l	99
10) Methyl Iodide	4.082	142	161684	47.763	ug/l	98
11) Tert butyl alcohol	4.954	59	136970	384.349	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	128020	49.268	ug/l	99
13) Acrolein	3.723	56	38974	265.130	ug/l	99
14) Allyl chloride	4.472	41	230880	49.018	ug/l	99
15) Acrylonitrile	5.155	53	272094	311.010	ug/l	99
16) Acetone	3.942	43	287012	300.453	ug/l	96
17) Carbon Disulfide	4.186	76	387596	46.032	ug/l	99
18) Methyl Acetate	4.472	43	230987	62.296	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	401349	52.370	ug/l	98
20) Methylene Chloride	4.710	84	153219	50.259	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	143186	49.405	ug/l	97
22) Diisopropyl ether	6.119	45	464584	51.516	ug/l	94
23) Vinyl Acetate	6.058	43	1466281	275.567	ug/l	99
24) 1,1-Dichloroethane	6.015	63	260339	50.069	ug/l	99
25) 2-Butanone	6.984	43	405731	345.041	ug/l	97
26) 2,2-Dichloropropane	6.978	77	255444	52.306	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	162783	50.209	ug/l	99
28) Bromochloromethane	7.332	49	96270	45.528	ug/l	96
29) Tetrahydrofuran	7.344	42	251917	337.851	ug/l	99
30) Chloroform	7.502	83	279358	50.642	ug/l	96
31) Cyclohexane	7.783	56	228153	53.742	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	260259	52.311	ug/l	100
36) 1,1-Dichloropropene	7.917	75	205942	55.474	ug/l	100
37) Ethyl Acetate	7.070	43	161357	62.993	ug/l	98
38) Carbon Tetrachloride	7.899	117	240631	56.169	ug/l	98
39) Methylcyclohexane	9.185	83	243228	59.051	ug/l	97
40) Benzene	8.161	78	582904	52.803	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	75235m	57.551	ug/l	
42) 1,2-Dichloroethane	8.234	62	206613	52.927	ug/l	99
43) Isopropyl Acetate	8.271	43	277496	61.810	ug/l	100
44) Trichloroethene	8.935	130	159330	54.021	ug/l	98
45) 1,2-Dichloropropane	9.216	63	148722	53.040	ug/l	99
46) Dibromomethane	9.301	93	94504	54.753	ug/l	99
47) Bromodichloromethane	9.496	83	215726	53.380	ug/l	98
48) Methyl methacrylate	9.289	41	129284	61.741	ug/l	97
49) 1,4-Dioxane	9.301	88	31912	1455.079	ug/l #	61
51) 4-Methyl-2-Pentanone	10.069	43	825887	338.603	ug/l	100
52) Toluene	10.240	92	369804	54.039	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	233485	54.881	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	246529	53.111	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	127894	55.866	ug/l	99
56) Ethyl methacrylate	10.508	69	188351	59.649	ug/l	99
57) 1,3-Dichloropropane	10.788	76	217348	55.511	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	481536	330.826	ug/l	99
59) 2-Hexanone	10.831	43	619129	351.446	ug/l	99
60) Dibromochloromethane	10.983	129	165193	56.378	ug/l	99
61) 1,2-Dibromoethane	11.087	107	128154	56.721	ug/l	98
64) Tetrachloroethene	10.715	164	160994	58.694	ug/l	96
65) Chlorobenzene	11.514	112	397273	51.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	156048	51.309	ug/l	98
67) Ethyl Benzene	11.593	91	729983	53.934	ug/l	99
68) m/p-Xylenes	11.703	106	558796	107.337	ug/l	99
69) o-Xylene	12.026	106	267380	54.324	ug/l	100
70) Styrene	12.044	104	455584	54.233	ug/l	99
71) Bromoform	12.209	173	120255	57.736	ug/l	99
73) Isopropylbenzene	12.331	105	713206	51.923	ug/l	100
74) N-amyl acetate	12.142	43	246560	56.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	169702	55.291	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	126942m	53.736	ug/l	
77) Bromobenzene	12.605	156	179710	49.778	ug/l	99
78) n-propylbenzene	12.672	91	881703	52.553	ug/l	100
79) 2-Chlorotoluene	12.758	91	493711	51.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	615964	52.372	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	61985	56.719	ug/l	98
82) 4-Chlorotoluene	12.849	91	519267	50.759	ug/l	100
83) tert-Butylbenzene	13.075	119	527945	52.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	614935	52.819	ug/l	99
85) sec-Butylbenzene	13.251	105	787168	54.172	ug/l	99
86) p-Isopropyltoluene	13.367	119	658016	52.911	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	343808	49.878	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	343229	49.421	ug/l	99
89) n-Butylbenzene	13.696	91	630666	54.676	ug/l	99
90) Hexachloroethane	13.959	117	128690	51.931	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	317218	51.240	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34723	59.408	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	200376	51.093	ug/l	100
94) Hexachlorobutadiene	15.111	225	121391	53.614	ug/l	97
95) Naphthalene	15.233	128	454382	57.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	180124	50.828	ug/l	99

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

