

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013704.D
 Acq On : 11 May 2023 09:20
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 12 04:37:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	222739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	324995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	294348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128652	52.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.380%			
35) Dibromofluoromethane	7.716	113	115622	56.565	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.120%			
50) Toluene-d8	10.179	98	385573	53.025	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.483	95	143467	58.524	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	108406	51.194	ug/l	100
3) Chloromethane	2.113	50	126274	44.487	ug/l	100
4) Vinyl Chloride	2.253	62	129384	45.780	ug/l	99
5) Bromomethane	2.650	94	97331	43.217	ug/l	98
6) Chloroethane	2.790	64	83459	42.746	ug/l	97
7) Trichlorofluoromethane	3.125	101	230163	53.759	ug/l	100
8) Diethyl Ether	3.527	74	70367	48.264	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	121676	50.666	ug/l	98
10) Methyl Iodide	4.088	142	138456	45.903	ug/l	97
11) Tert butyl alcohol	4.960	59	78616	285.763	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	108610	46.918	ug/l	88
13) Acrolein	3.729	56	39048	180.570	ug/l	95
14) Allyl chloride	4.479	41	197358	45.947	ug/l	95
15) Acrylonitrile	5.155	53	200753	245.867	ug/l	98
16) Acetone	3.948	43	247841	257.746	ug/l	96
17) Carbon Disulfide	4.192	76	319487	42.488	ug/l	99
18) Methyl Acetate	4.479	43	148022	46.608	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	330007	49.380	ug/l	99
20) Methylene Chloride	4.716	84	141605	46.431	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	124971	49.375	ug/l	93
22) Diisopropyl ether	6.112	45	429403	51.147	ug/l	95
23) Vinyl Acetate	6.058	43	1295652	272.570	ug/l	97
24) 1,1-Dichloroethane	6.015	63	240942	51.494	ug/l	99
25) 2-Butanone	6.984	43	305379	250.417	ug/l	99
26) 2,2-Dichloropropane	6.978	77	221542	54.947	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	146149	52.262	ug/l	95
28) Bromochloromethane	7.332	49	88098	53.058	ug/l	84
29) Tetrahydrofuran	7.344	42	173328	228.333	ug/l	94
30) Chloroform	7.502	83	254368	54.677	ug/l	98
31) Cyclohexane	7.783	56	197546	45.188	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	230634	55.556	ug/l	98
36) 1,1-Dichloropropene	7.917	75	183996	54.237	ug/l	97
37) Ethyl Acetate	7.070	43	118983	46.607	ug/l	99
38) Carbon Tetrachloride	7.899	117	208937	58.762	ug/l	97
39) Methylcyclohexane	9.185	83	207882	51.979	ug/l	99
40) Benzene	8.161	78	525010	54.940	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	64772	54.447	ug/l	94
42) 1,2-Dichloroethane	8.234	62	178473	57.126	ug/l	98
43) Isopropyl Acetate	8.271	43	215649	50.046	ug/l	98
44) Trichloroethene	8.935	130	139901	55.038	ug/l	94
45) 1,2-Dichloropropane	9.215	63	138886	55.586	ug/l	98
46) Dibromomethane	9.301	93	81357	54.420	ug/l	98
47) Bromodichloromethane	9.496	83	196439	58.722	ug/l	98
48) Methyl methacrylate	9.289	41	100816	50.943	ug/l	96
49) 1,4-Dioxane	9.301	88	21855	1023.580	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	623492	259.659	ug/l	97
52) Toluene	10.240	92	325474	56.599	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	199290	56.290	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	220081	55.245	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	110045	55.584	ug/l	97
56) Ethyl methacrylate	10.508	69	149618	54.472	ug/l	91
57) 1,3-Dichloropropane	10.788	76	191011	56.968	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	263005	255.355	ug/l	95
59) 2-Hexanone	10.831	43	472264	270.565	ug/l	96
60) Dibromochloromethane	10.983	129	139393	57.985	ug/l	100
61) 1,2-Dibromoethane	11.087	107	106342	54.633	ug/l	100
64) Tetrachloroethene	10.721	164	122899	54.909	ug/l	97
65) Chlorobenzene	11.514	112	352138	54.918	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	142007	59.217	ug/l	98
67) Ethyl Benzene	11.593	91	636598	56.539	ug/l	98
68) m/p-Xylenes	11.703	106	484978	113.303	ug/l	97
69) o-Xylene	12.032	106	228651	56.483	ug/l	97
70) Styrene	12.044	104	395715	58.463	ug/l	100
71) Bromoform	12.209	173	94911	56.504	ug/l #	100
73) Isopropylbenzene	12.331	105	612702	53.167	ug/l	99
74) N-amyl acetate	12.142	43	192374	46.909	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	140727	49.960	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	105601m	51.393	ug/l	
77) Bromobenzene	12.605	156	151772	54.353	ug/l	95
78) n-propylbenzene	12.672	91	762356	53.708	ug/l	98
79) 2-Chlorotoluene	12.758	91	419321	52.900	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	513025	54.543	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	48712	48.493	ug/l	94
82) 4-Chlorotoluene	12.855	91	442653	53.578	ug/l	97
83) tert-Butylbenzene	13.075	119	443209	54.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	507352	55.480	ug/l	100
85) sec-Butylbenzene	13.251	105	662681	54.184	ug/l	99
86) p-Isopropyltoluene	13.367	119	545466	55.461	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	291696	54.831	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	287450	53.490	ug/l	99
89) n-Butylbenzene	13.696	91	521011	54.276	ug/l	98
90) Hexachloroethane	13.959	117	110402	53.335	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	263030	54.752	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24273	48.792	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	160580	56.065	ug/l	97
94) Hexachlorobutadiene	15.111	225	100578	60.338	ug/l	99
95) Naphthalene	15.233	128	326591	52.554	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	143816	56.336	ug/l	99

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

