

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014395.D
 Acq On : 22 Jun 2023 21:29
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/23/2023
 Supervised By :Mahesh Dadoda 06/23/2023

Quant Time: Jun 23 05:02:20 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	184834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	289249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	279057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	130835	50.833	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.660%			
35) Dibromofluoromethane	7.722	113	109987	53.618	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.240%			
50) Toluene-d8	10.185	98	367675	47.943	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.880%			
62) 4-Bromofluorobenzene	12.483	95	154014	56.535	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83320	40.448	ug/l	95
3) Chloromethane	2.113	50	116526	44.613	ug/l	98
4) Vinyl Chloride	2.253	62	102653	40.423	ug/l	96
5) Bromomethane	2.644	94	2162860	1032.268	ug/l	99
6) Chloroethane	2.790	64	72360	41.934	ug/l	97
7) Trichlorofluoromethane	3.125	101	196760	47.693	ug/l	99
8) Diethyl Ether	3.534	74	67159	48.752	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	94989	45.622	ug/l	97
10) Methyl Iodide	4.095	142	253978	92.378	ug/l	96
11) Tert butyl alcohol	4.960	59	81890	277.045	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	97914	46.396	ug/l	94
13) Acrolein	3.735	56	33605	281.685	ug/l	100
14) Allyl chloride	4.485	41	169535	44.318	ug/l	95
15) Acrylonitrile	5.168	53	200045	281.538	ug/l	99
16) Acetone	3.954	43	172223	221.984	ug/l	97
17) Carbon Disulfide	4.198	76	287312	42.013	ug/l	100
18) Methyl Acetate	4.485	43	156500	51.969	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	340327	54.678	ug/l	99
20) Methylene Chloride	4.723	84	133588	54.238	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	116426	49.462	ug/l	95
22) Diisopropyl ether	6.131	45	370423	50.574	ug/l	94
23) Vinyl Acetate	6.064	43	1127642	260.937	ug/l	98
24) 1,1-Dichloroethane	6.021	63	209114	49.518	ug/l	98
25) 2-Butanone	6.990	43	263926	276.356	ug/l	99
26) 2,2-Dichloropropane	6.990	77	187006	47.148	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	138037	52.423	ug/l	96
28) Bromochloromethane	7.338	49	74565	43.419	ug/l	88
29) Tetrahydrofuran	7.350	42	175151	289.224	ug/l	93
30) Chloroform	7.515	83	241072	53.809	ug/l	96
31) Cyclohexane	7.789	56	153650	44.563	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	210598	52.119	ug/l	98
36) 1,1-Dichloropropene	7.923	75	156838	49.043	ug/l	99
37) Ethyl Acetate	7.082	43	117480	53.241	ug/l	98
38) Carbon Tetrachloride	7.911	117	194239	52.633	ug/l	99
39) Methylcyclohexane	9.191	83	169824	47.862	ug/l	95
40) Benzene	8.167	78	484028	50.899	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	49811m	44.232	ug/l	
42) 1,2-Dichloroethane	8.240	62	183825	54.664	ug/l	99
43) Isopropyl Acetate	8.277	43	210570	54.447	ug/l	98
44) Trichloroethene	8.947	130	132182	52.025	ug/l	100
45) 1,2-Dichloropropane	9.222	63	120113	49.727	ug/l	97
46) Dibromomethane	9.313	93	78686	52.922	ug/l	97
47) Bromodichloromethane	9.502	83	189110	54.321	ug/l	99
48) Methyl methacrylate	9.295	41	99737	55.292	ug/l	97
49) 1,4-Dioxane	9.301	88	24150	1278.292	ug/l #	57
51) 4-Methyl-2-Pentanone	10.075	43	610422	290.523	ug/l	98
52) Toluene	10.246	92	313383	53.161	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	195076	53.229	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	204673	51.187	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	110153	55.856	ug/l	96
56) Ethyl methacrylate	10.514	69	157653	57.958	ug/l	95
57) 1,3-Dichloropropane	10.795	76	180879	53.628	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	324863	265.296	ug/l	96
59) 2-Hexanone	10.837	43	446104	293.964	ug/l	98
60) Dibromochloromethane	10.990	129	145758	57.747	ug/l	99
61) 1,2-Dibromoethane	11.093	107	107872	55.424	ug/l	99
64) Tetrachloroethene	10.721	164	139025	58.449	ug/l	97
65) Chlorobenzene	11.520	112	342565	51.089	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	140532	53.285	ug/l	99
67) Ethyl Benzene	11.593	91	610940	52.053	ug/l	99
68) m/p-Xylenes	11.703	106	475893	105.414	ug/l	99
69) o-Xylene	12.032	106	231021	54.126	ug/l	100
70) Styrene	12.044	104	403902	55.446	ug/l	99
71) Bromoform	12.209	173	104218	57.700	ug/l #	100
73) Isopropylbenzene	12.331	105	597553	47.203	ug/l	100
74) N-amyl acetate	12.142	43	196869	49.074	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	135958	48.064	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	99080m	45.509	ug/l	
77) Bromobenzene	12.611	156	159496	47.936	ug/l	95
78) n-propylbenzene	12.672	91	724463	46.853	ug/l	99
79) 2-Chlorotoluene	12.758	91	424030	47.660	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	521828	48.141	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	48382	48.037	ug/l	98
82) 4-Chlorotoluene	12.855	91	445134	47.213	ug/l	99
83) tert-Butylbenzene	13.075	119	439126	47.672	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	519402	48.407	ug/l	99
85) sec-Butylbenzene	13.258	105	639407	47.745	ug/l	100
86) p-Isopropyltoluene	13.373	119	545358	47.582	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	307141	48.348	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	307122	47.983	ug/l	99
89) n-Butylbenzene	13.696	91	503091	47.325	ug/l	99
90) Hexachloroethane	13.965	117	108374	47.452	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	283258	49.646	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28164	52.284	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	175730	48.619	ug/l	99
94) Hexachlorobutadiene	15.111	225	101137	48.467	ug/l	98
95) Naphthalene	15.239	128	384737	52.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	159400	48.805	ug/l	99

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

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