

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052323\
 Data File : VY013831.D
 Acq On : 23 May 2023 12:30
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 24 05:05:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:01:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	272611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	410856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	367664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	177645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	151565	48.057	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.120%		
35) Dibromofluoromethane	7.722	113	132752	50.032	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.060%		
50) Toluene-d8	10.185	98	489562	48.546	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.483	95	168352	50.223	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	142917	57.233	ug/l	100
3) Chloromethane	2.119	50	160360	52.713	ug/l	100
4) Vinyl Chloride	2.259	62	168506	54.164	ug/l	100
5) Bromomethane	2.662	94	119049	48.154	ug/l	100
6) Chloroethane	2.802	64	103411	51.011	ug/l	100
7) Trichlorofluoromethane	3.131	101	276775	52.861	ug/l	100
8) Diethyl Ether	3.534	74	85188	53.045	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	146323	51.552	ug/l	100
10) Methyl Iodide	4.101	142	192183	57.033	ug/l	100
11) Tert butyl alcohol	4.991	59	62564m	258.957	ug/l	
12) 1,1-Dichloroethene	3.881	96	142225	53.336	ug/l	100
13) Acrolein	3.735	56	88365	243.147	ug/l	100
14) Allyl chloride	4.485	41	245496	50.428	ug/l	100
15) Acrylonitrile	5.174	53	213910	259.781	ug/l	100
16) Acetone	3.960	43	239069	255.400	ug/l	100
17) Carbon Disulfide	4.204	76	438724	55.119	ug/l	100
18) Methyl Acetate	4.491	43	164166	50.552	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	383805	52.741	ug/l	100
20) Methylene Chloride	4.728	84	162897	49.031	ug/l	100
21) trans-1,2-Dichloroethene	5.228	96	151150	52.144	ug/l	100
22) Diisopropyl ether	6.125	45	489942	52.124	ug/l	100
23) Vinyl Acetate	6.070	43	1485140	271.277	ug/l	100
24) 1,1-Dichloroethane	6.027	63	275821	50.265	ug/l	100
25) 2-Butanone	6.996	43	297403	260.375	ug/l	100
26) 2,2-Dichloropropane	6.990	77	251113	50.804	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	169747	52.129	ug/l	100
28) Bromochloromethane	7.344	49	74765	46.420	ug/l	100
29) Tetrahydrofuran	7.356	42	190637	279.546	ug/l	100
30) Chloroform	7.515	83	282171	50.720	ug/l	100
31) Cyclohexane	7.795	56	250487	51.693	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	261158	51.457	ug/l	100
36) 1,1-Dichloropropene	7.923	75	217784	53.889	ug/l	100
37) Ethyl Acetate	7.082	43	137757	55.881	ug/l	100
38) Carbon Tetrachloride	7.905	117	241617	52.572	ug/l	100
39) Methylcyclohexane	9.191	83	263545	55.684	ug/l	100
40) Benzene	8.167	78	611966	52.721	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	63697	47.357	ug/l	100
42) 1,2-Dichloroethane	8.246	62	200700	52.809	ug/l	100
43) Isopropyl Acetate	8.277	43	243279	54.155	ug/l	100
44) Trichloroethene	8.947	130	163606	52.316	ug/l	100
45) 1,2-Dichloropropane	9.222	63	154488	51.954	ug/l	100
46) Dibromomethane	9.313	93	90103	52.909	ug/l	100
47) Bromodichloromethane	9.502	83	213917	51.544	ug/l	100
48) Methyl methacrylate	9.295	41	118524	56.187	ug/l	100
49) 1,4-Dioxane	9.313	88	22254	1111.899	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	667619	278.872	ug/l	100
52) Toluene	10.246	92	375386	53.040	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	227259	53.795	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	251983	53.243	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	121577	53.065	ug/l	100
56) Ethyl methacrylate	10.514	69	171683	56.136	ug/l	100
57) 1,3-Dichloropropane	10.794	76	209194	53.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	224974	230.542	ug/l	100
59) 2-Hexanone	10.837	43	484264	284.379	ug/l	100
60) Dibromochloromethane	10.983	129	153517	52.970	ug/l	100
61) 1,2-Dibromoethane	11.093	107	117895	54.092	ug/l	100
64) Tetrachloroethene	10.721	164	143121	52.611	ug/l	100
65) Chlorobenzene	11.520	112	398846	51.759	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	153253	51.529	ug/l	100
67) Ethyl Benzene	11.593	91	735094	53.010	ug/l	100
68) m/p-Xylenes	11.703	106	560017	106.713	ug/l	100
69) o-Xylene	12.032	106	261673	52.935	ug/l	100
70) Styrene	12.044	104	445174	53.164	ug/l	100
71) Bromoform	12.209	173	102909	52.941	ug/l	100
73) Isopropylbenzene	12.331	105	703072	53.174	ug/l	100
74) N-amyl acetate	12.142	43	220703	55.519	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	146695	53.595	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	92985m	44.391	ug/l	
77) Bromobenzene	12.611	156	170004	52.401	ug/l	100
78) n-propylbenzene	12.672	91	871852	53.375	ug/l	100
79) 2-Chlorotoluene	12.758	91	471117	51.635	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	588133	53.887	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	53471	55.411	ug/l	100
82) 4-Chlorotoluene	12.855	91	485146	51.445	ug/l	100
83) tert-Butylbenzene	13.075	119	499707	52.569	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	573446	53.526	ug/l	100
85) sec-Butylbenzene	13.251	105	751953	53.253	ug/l	100
86) p-Isopropyltoluene	13.367	119	618436	52.990	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	325584	51.960	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	320536	51.382	ug/l	100
89) n-Butylbenzene	13.696	91	592200	52.914	ug/l	100
90) Hexachloroethane	13.959	117	121184	50.573	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	289983	52.073	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25932	54.078	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	181792	52.659	ug/l	100
94) Hexachlorobutadiene	15.111	225	110923	50.959	ug/l	100
95) Naphthalene	15.239	128	368906	48.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	162114	52.805	ug/l	100

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

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