

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013337.D
 Acq On : 19 Apr 2023 10:42
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 06:54:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	291208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	416987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	162860	46.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.080%			
35) Dibromofluoromethane	7.716	113	150137	55.616	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.240%			
50) Toluene-d8	10.179	98	505919	50.349	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.700%			
62) 4-Bromofluorobenzene	12.483	95	173010	52.993	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	112989	43.111	ug/l	98
3) Chloromethane	2.113	50	140939	42.923	ug/l	99
4) Vinyl Chloride	2.253	62	151195	48.567	ug/l	98
5) Bromomethane	2.650	94	93756	39.273	ug/l	94
6) Chloroethane	2.796	64	85939	40.934	ug/l	99
7) Trichlorofluoromethane	3.131	101	254002	52.422	ug/l	100
8) Diethyl Ether	3.534	74	92856	52.746	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	151404	53.174	ug/l	95
10) Methyl Iodide	4.094	142	201474	57.686	ug/l	100
11) Tert butyl alcohol	4.985	59	127624	322.166	ug/l	99
12) 1,1-Dichloroethene	3.875	96	146412	53.430	ug/l	92
13) Acrolein	3.735	56	155950	362.749	ug/l	100
14) Allyl chloride	4.485	41	258932	49.466	ug/l	99
15) Acrylonitrile	5.161	53	282449	279.210	ug/l	99
16) Acetone	3.954	43	358789	298.176	ug/l	99
17) Carbon Disulfide	4.198	76	422278	46.808	ug/l	99
18) Methyl Acetate	4.485	43	222573	57.192	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	439235	53.509	ug/l	99
20) Methylene Chloride	4.716	84	184401	58.770	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	155527	49.720	ug/l	99
22) Diisopropyl ether	6.119	45	467432	45.311	ug/l	90
23) Vinyl Acetate	6.064	43	1556036	238.602	ug/l	99
24) 1,1-Dichloroethane	6.021	63	289600	50.256	ug/l	99
25) 2-Butanone	6.990	43	425371	276.093	ug/l	99
26) 2,2-Dichloropropane	6.984	77	252508	48.841	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	177029	52.046	ug/l	97
28) Bromochloromethane	7.332	49	102601	44.675	ug/l	91
29) Tetrahydrofuran	7.350	42	244373	261.155	ug/l	96
30) Chloroform	7.508	83	295915	50.744	ug/l	100
31) Cyclohexane	7.789	56	234062	44.233	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	272017	51.563	ug/l	99
36) 1,1-Dichloropropene	7.917	75	215033	52.580	ug/l	98
37) Ethyl Acetate	7.076	43	160140	48.577	ug/l	99
38) Carbon Tetrachloride	7.905	117	248878	55.036	ug/l	98
39) Methylcyclohexane	9.185	83	249399	52.458	ug/l	99
40) Benzene	8.161	78	611272	51.643	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	88948m	65.036	ug/l	
42) 1,2-Dichloroethane	8.240	62	206505	51.457	ug/l	99
43) Isopropyl Acetate	8.277	43	283076	51.698	ug/l	99
44) Trichloroethene	8.941	130	170819	56.022	ug/l	94
45) 1,2-Dichloropropane	9.222	63	156062	50.798	ug/l	96
46) Dibromomethane	9.307	93	99126	53.611	ug/l	95
47) Bromodichloromethane	9.496	83	227065	53.719	ug/l	98
48) Methyl methacrylate	9.295	41	129875	51.637	ug/l	94
49) 1,4-Dioxane	9.313	88	32885	1312.695	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	804311	269.905	ug/l	99
52) Toluene	10.246	92	378173	52.911	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	239515	54.108	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	259760	53.517	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	135814	55.708	ug/l	98
56) Ethyl methacrylate	10.514	69	192876	57.780	ug/l	98
57) 1,3-Dichloropropane	10.788	76	223250	53.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	352249	252.723	ug/l	99
59) 2-Hexanone	10.831	43	616485	284.516	ug/l	100
60) Dibromochloromethane	10.983	129	172491	56.427	ug/l	99
61) 1,2-Dibromoethane	11.087	107	135072	56.896	ug/l	100
64) Tetrachloroethene	10.721	164	148084	57.373	ug/l	95
65) Chlorobenzene	11.520	112	409564	53.515	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	163302	56.859	ug/l	99
67) Ethyl Benzene	11.593	91	719735	53.996	ug/l	99
68) m/p-Xylenes	11.703	106	568209	111.413	ug/l	100
69) o-Xylene	12.032	106	265499	56.210	ug/l	99
70) Styrene	12.044	104	450204	56.433	ug/l	98
71) Bromoform	12.209	173	118908	59.762	ug/l	98
73) Isopropylbenzene	12.331	105	703666	54.645	ug/l	100
74) N-amyl acetate	12.142	43	232017	50.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	170717	53.667	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	109323m	46.734	ug/l	
77) Bromobenzene	12.611	156	178985	55.583	ug/l	95
78) n-propylbenzene	12.672	91	848390	53.346	ug/l	99
79) 2-Chlorotoluene	12.758	91	475205	53.084	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	594317	55.101	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	63464	56.308	ug/l	98
82) 4-Chlorotoluene	12.855	91	492095	52.142	ug/l	100
83) tert-Butylbenzene	13.075	119	509810	55.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	586328	55.855	ug/l	99
85) sec-Butylbenzene	13.251	105	755275	54.570	ug/l	100
86) p-Isopropyltoluene	13.373	119	631753	55.626	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	341298	54.983	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	338330	53.936	ug/l	99
89) n-Butylbenzene	13.696	91	585028	53.858	ug/l	98
90) Hexachloroethane	13.965	117	125260	52.896	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	308055	54.538	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	33571	58.114	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	202182	60.225	ug/l	98
94) Hexachlorobutadiene	15.111	225	119007	59.866	ug/l	100
95) Naphthalene	15.239	128	475395	57.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	188654	61.682	ug/l	99

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

