

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013750.D
 Acq On : 16 May 2023 11:01
 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 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 07:42:28 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	213379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	328067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	294374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	117643	50.294	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.580%			
35) Dibromofluoromethane	7.716	113	110093	53.355	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.720%			
50) Toluene-d8	10.179	98	352874	48.073	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.140%			
62) 4-Bromofluorobenzene	12.483	95	136252	55.060	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	91596	45.153	ug/l	99
3) Chloromethane	2.113	50	126707	46.598	ug/l	98
4) Vinyl Chloride	2.253	62	126385	46.681	ug/l	99
5) Bromomethane	2.656	94	100388	46.529	ug/l	99
6) Chloroethane	2.796	64	85883	45.917	ug/l	100
7) Trichlorofluoromethane	3.131	101	198967	48.511	ug/l	98
8) Diethyl Ether	3.534	74	69945	50.079	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.900	101	111730	48.566	ug/l	97
10) Methyl Iodide	4.088	142	136281	47.164	ug/l	99
11) Tert butyl alcohol	4.972	59	62991	239.118	ug/l #	97
12) 1,1-Dichloroethene	3.875	96	105346	47.504	ug/l	93
13) Acrolein	3.735	56	32841	157.408	ug/l	96
14) Allyl chloride	4.479	41	210761	51.220	ug/l	97
15) Acrylonitrile	5.161	53	206012	263.375	ug/l	97
16) Acetone	3.948	43	249396	270.741	ug/l	93
17) Carbon Disulfide	4.198	76	298603	41.452	ug/l	99
18) Methyl Acetate	4.479	43	159513	52.430	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	342100	53.435	ug/l	99
20) Methylene Chloride	4.716	84	140453	48.415	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	121248	50.006	ug/l	98
22) Diisopropyl ether	6.119	45	447265	55.612	ug/l	96
23) Vinyl Acetate	6.058	43	1351088	296.700	ug/l	96
24) 1,1-Dichloroethane	6.015	63	237005	52.874	ug/l	98
25) 2-Butanone	6.984	43	303090	259.442	ug/l	92
26) 2,2-Dichloropropane	6.978	77	204675	52.990	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	138663	51.760	ug/l	93
28) Bromochloromethane	7.332	49	83489	52.487	ug/l #	80
29) Tetrahydrofuran	7.350	42	178131	244.954	ug/l	92
30) Chloroform	7.503	83	239914	53.832	ug/l	99
31) Cyclohexane	7.783	56	187725	44.825	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	208102	52.328	ug/l	97
36) 1,1-Dichloropropene	7.917	75	172941	50.501	ug/l	97
37) Ethyl Acetate	7.070	43	130607	50.681	ug/l	95
38) Carbon Tetrachloride	7.899	117	188525	52.525	ug/l	97
39) Methylcyclohexane	9.185	83	192755	47.746	ug/l	97
40) Benzene	8.161	78	502415	52.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	66475	55.355	ug/l #	70
42) 1,2-Dichloroethane	8.234	62	168731	53.502	ug/l	98
43) Isopropyl Acetate	8.271	43	225769	51.904	ug/l	96
44) Trichloroethene	8.935	130	128402	50.041	ug/l	90
45) 1,2-Dichloropropane	9.216	63	137855	54.657	ug/l	99
46) Dibromomethane	9.307	93	78907	52.287	ug/l	97
47) Bromodichloromethane	9.496	83	187917	55.649	ug/l	100
48) Methyl methacrylate	9.289	41	104389	52.254	ug/l	94
49) 1,4-Dioxane	9.301	88	21648	1004.391	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	646342	266.655	ug/l	96
52) Toluene	10.240	92	306012	52.716	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	194217	54.344	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	216865	53.928	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	107620	53.850	ug/l	97
56) Ethyl methacrylate	10.508	69	153006	55.184	ug/l	90
57) 1,3-Dichloropropane	10.789	76	184335	54.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	254653	244.930	ug/l	93
59) 2-Hexanone	10.831	43	475127	269.656	ug/l	95
60) Dibromochloromethane	10.984	129	132985	54.802	ug/l	100
61) 1,2-Dibromoethane	11.087	107	104477	53.173	ug/l	98
64) Tetrachloroethene	10.721	164	107427	47.992	ug/l	98
65) Chlorobenzene	11.514	112	330253	51.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	130537	54.429	ug/l	99
67) Ethyl Benzene	11.593	91	600833	53.358	ug/l	99
68) m/p-Xylenes	11.703	106	451498	105.472	ug/l	96
69) o-Xylene	12.026	106	217782	53.793	ug/l	97
70) Styrene	12.044	104	369940	54.651	ug/l	99
71) Bromoform	12.209	173	90685	53.983	ug/l #	98
73) Isopropylbenzene	12.331	105	572616	50.089	ug/l	98
74) N-amyl acetate	12.142	43	200849	49.371	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	136227	48.752	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	103900m	50.973	ug/l	
77) Bromobenzene	12.605	156	140716	50.800	ug/l	92
78) n-propylbenzene	12.672	91	708257	50.299	ug/l	96
79) 2-Chlorotoluene	12.758	91	401341	51.040	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	474430	50.846	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	48483	48.654	ug/l	97
82) 4-Chlorotoluene	12.855	91	417504	50.942	ug/l	96
83) tert-Butylbenzene	13.075	119	408525	50.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	469285	51.731	ug/l	100
85) sec-Butylbenzene	13.251	105	617059	50.861	ug/l	98
86) p-Isopropyltoluene	13.367	119	501468	51.399	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	269936	51.150	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	269607	50.574	ug/l	100
89) n-Butylbenzene	13.697	91	482390	50.658	ug/l	98
90) Hexachloroethane	13.959	117	101611	49.484	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	243126	51.017	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23020	46.646	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	149989	52.790	ug/l	97
94) Hexachlorobutadiene	15.111	225	88264	53.378	ug/l	98
95) Naphthalene	15.239	128	308123	49.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	134334	53.046	ug/l	99

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

