

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013234.D
 Acq On : 10 Apr 2023 18:31
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 11 11:00:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 10:54:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	102682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	155750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	160520	139.014	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 278.020%#			
35) Dibromofluoromethane	7.716	113	136652	146.780	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 293.560%#			
50) Toluene-d8	10.179	98	485611	148.981	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 297.960%#			
62) 4-Bromofluorobenzene	12.477	95	173281	148.871	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 297.740%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	89711	146.638	ug/l	98
3) Chloromethane	2.113	50	108214	149.885	ug/l	100
4) Vinyl Chloride	2.253	62	115164	130.932	ug/l	99
5) Bromomethane	2.625	94	82871	149.146	ug/l	92
6) Chloroethane	2.784	64	84537	131.431	ug/l	98
7) Trichlorofluoromethane	3.119	101	190708	133.915	ug/l	99
8) Diethyl Ether	3.528	74	77790	143.926	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	119010	137.045	ug/l	98
10) Methyl Iodide	4.088	142	143853	137.446	ug/l	96
11) Tert butyl alcohol	4.960	59	120541	602.684	ug/l	99
12) 1,1-Dichloroethene	3.863	96	104995	138.786	ug/l	96
13) Acrolein	3.723	56	77701	775.479	ug/l	100
14) Allyl chloride	4.473	41	228752	142.304	ug/l	94
15) Acrylonitrile	5.161	53	282705	760.861	ug/l	99
16) Acetone	3.948	43	350595	746.113	ug/l	98
17) Carbon Disulfide	4.186	76	232884	149.350	ug/l	98
18) Methyl Acetate	4.473	43	209829	150.399	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	441826	153.335	ug/l	99
20) Methylene Chloride	4.710	84	145279	149.029	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	122554	138.094	ug/l	96
22) Diisopropyl ether	6.119	45	505404	141.970	ug/l	97
23) Vinyl Acetate	6.058	43	1681814	752.541	ug/l	99
24) 1,1-Dichloroethane	6.015	63	255634	139.112	ug/l	99
25) 2-Butanone	6.984	43	466731	768.525	ug/l	95
26) 2,2-Dichloropropane	6.978	77	232328	133.899	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	153692	143.539	ug/l	97
28) Bromochloromethane	7.332	49	126110	145.363	ug/l	97
29) Tetrahydrofuran	7.344	42	272108	768.338	ug/l	99
30) Chloroform	7.503	83	271191	141.430	ug/l	99
31) Cyclohexane	7.783	56	184687	147.799	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	236431	140.725	ug/l	99
36) 1,1-Dichloropropene	7.917	75	180603	141.052	ug/l	99
37) Ethyl Acetate	7.070	43	181013	152.726	ug/l	97
38) Carbon Tetrachloride	7.899	117	211227	141.684	ug/l	100
39) Methylcyclohexane	9.179	83	202113	150.211	ug/l	96
40) Benzene	8.155	78	536929	142.351	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	101096m	163.572	ug/l	
42) 1,2-Dichloroethane	8.234	62	198987	143.605	ug/l	98
43) Isopropyl Acetate	8.271	43	327121	157.998	ug/l	95
44) Trichloroethene	8.935	130	141979	144.222	ug/l	93
45) 1,2-Dichloropropane	9.216	63	149629	145.672	ug/l	96
46) Dibromomethane	9.301	93	91938	147.055	ug/l	100
47) Bromodichloromethane	9.496	83	218360	144.646	ug/l	98
48) Methyl methacrylate	9.289	41	146739	161.402	ug/l	94
49) 1,4-Dioxane	9.295	88	31726	3567.501	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	940326	800.902	ug/l	98
52) Toluene	10.240	92	346263	146.404	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	242106	153.053	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	252969	149.122	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	132047	149.338	ug/l	98
56) Ethyl methacrylate	10.508	69	207128	167.656	ug/l	94
57) 1,3-Dichloropropane	10.789	76	223848	150.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	446157	796.229	ug/l	99
59) 2-Hexanone	10.831	43	702088	810.869	ug/l	97
60) Dibromochloromethane	10.984	129	166610	151.425	ug/l	99
61) 1,2-Dibromoethane	11.087	107	126924	150.377	ug/l	99
64) Tetrachloroethene	10.721	164	125567	144.962	ug/l	99
65) Chlorobenzene	11.514	112	386344	144.498	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	155301	146.045	ug/l	99
67) Ethyl Benzene	11.593	91	691066	148.908	ug/l	99
68) m/p-Xylenes	11.703	106	525043	297.324	ug/l	98
69) o-Xylene	12.026	106	252496	150.428	ug/l	100
70) Styrene	12.044	104	440531	153.901	ug/l	99
71) Bromoform	12.203	173	118465	155.242	ug/l #	98
73) Isopropylbenzene	12.331	105	677059	153.977	ug/l	99
74) N-amyl acetate	12.142	43	277656	165.080	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	177983	151.425	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	132395m	149.900	ug/l	
77) Bromobenzene	12.605	156	166656	148.960	ug/l	97
78) n-propylbenzene	12.672	91	818874	151.289	ug/l	99
79) 2-Chlorotoluene	12.758	91	465925	151.176	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	557823	153.382	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	65463	158.335	ug/l	94
82) 4-Chlorotoluene	12.855	91	482747	150.002	ug/l	98
83) tert-Butylbenzene	13.075	119	494021	151.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	551710	152.578	ug/l	99
85) sec-Butylbenzene	13.252	105	718766	150.426	ug/l	100
86) p-Isopropyltoluene	13.367	119	609089	152.074	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	318101	145.197	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	320653	143.532	ug/l	99
89) n-Butylbenzene	13.697	91	573890	152.865	ug/l	100
90) Hexachloroethane	13.959	117	123769	145.757	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	297449	147.359	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	35322	157.698	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	201143	161.497	ug/l	99
94) Hexachlorobutadiene	15.111	225	105811	143.873	ug/l	99
95) Naphthalene	15.233	128	502175	179.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	186662	160.557	ug/l	99

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

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