

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013772.D
 Acq On : 17 May 2023 12:07
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: May 18 06:39:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:33:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	278494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	432716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	382775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	176640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	464345	143.530	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.060%#			
35) Dibromofluoromethane	7.722	113	414147	149.251	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 298.500%#			
50) Toluene-d8	10.185	98	1582678	150.448	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 300.900%#			
62) 4-Bromofluorobenzene	12.483	95	526328	150.630	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 301.260%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	282980	141.522	ug/l	96
3) Chloromethane	2.113	50	414935	136.877	ug/l	100
4) Vinyl Chloride	2.253	62	422101	139.446	ug/l	100
5) Bromomethane	2.650	94	389437	145.085	ug/l	100
6) Chloroethane	2.796	64	306958	147.531	ug/l	99
7) Trichlorofluoromethane	3.125	101	617498	140.164	ug/l	98
8) Diethyl Ether	3.534	74	212687	144.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	365448	141.736	ug/l	99
10) Methyl Iodide	4.101	142	444977	157.083	ug/l	99
11) Tert butyl alcohol	4.991	59	193389	737.886	ug/l	100
12) 1,1-Dichloroethene	3.875	96	336084	143.805	ug/l	98
13) Acrolein	3.735	56	347552	742.320	ug/l	100
14) Allyl chloride	4.485	41	689840	149.842	ug/l	99
15) Acrylonitrile	5.174	53	653709	756.167	ug/l	100
16) Acetone	3.954	43	713994	731.503	ug/l	99
17) Carbon Disulfide	4.198	76	928698	138.290	ug/l	99
18) Methyl Acetate	4.485	43	499013	146.644	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	1093118	154.166	ug/l	98
20) Methylene Chloride	4.722	84	401971	148.721	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	380628	144.639	ug/l	94
22) Diisopropyl ether	6.125	45	1486690	151.816	ug/l	98
23) Vinyl Acetate	6.064	43	4541579	801.444	ug/l	100
24) 1,1-Dichloroethane	6.027	63	774066	144.596	ug/l	100
25) 2-Butanone	6.990	43	994063	783.445	ug/l	99
26) 2,2-Dichloropropane	6.984	77	674835	147.578	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	459180	148.083	ug/l	97
28) Bromochloromethane	7.338	49	258359	137.933	ug/l	99
29) Tetrahydrofuran	7.350	42	603372	794.745	ug/l	100
30) Chloroform	7.508	83	772300	143.163	ug/l	98
31) Cyclohexane	7.789	56	640299	138.041	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	676260	146.859	ug/l	99
36) 1,1-Dichloropropene	7.923	75	561712	146.510	ug/l	100
37) Ethyl Acetate	7.082	43	416342	157.870	ug/l	98
38) Carbon Tetrachloride	7.905	117	594735	147.044	ug/l	97
39) Methylcyclohexane	9.185	83	677127	155.388	ug/l	99
40) Benzene	8.167	78	1626570	145.992	ug/l	98

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41) Methacrylonitrile	7.319	41	215433m	169.333	ug/l	
42) 1,2-Dichloroethane	8.240	62	524433	145.682	ug/l	100
43) Isopropyl Acetate	8.277	43	771254	161.123	ug/l	100
44) Trichloroethene	8.941	130	419703	144.102	ug/l	94
45) 1,2-Dichloropropane	9.222	63	453308	148.064	ug/l	100
46) Dibromomethane	9.307	93	250671	146.192	ug/l	99
47) Bromodichloromethane	9.502	83	597725	147.198	ug/l	97
48) Methyl methacrylate	9.295	41	365680	166.309	ug/l	98
49) 1,4-Dioxane	9.313	88	66895	3178.766	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	2108618	791.054	ug/l	99
52) Toluene	10.246	92	1014982	150.271	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	646149	154.332	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	712312	152.484	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	346699	148.664	ug/l	100
56) Ethyl methacrylate	10.514	69	521866	167.682	ug/l	99
57) 1,3-Dichloropropane	10.794	76	591122	147.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	827195	733.622	ug/l	100
59) 2-Hexanone	10.837	43	1497525	790.358	ug/l	99
60) Dibromochloromethane	10.990	129	423424	149.841	ug/l	100
61) 1,2-Dibromoethane	11.093	107	332427	151.163	ug/l	99
64) Tetrachloroethene	10.721	164	349821	144.067	ug/l	98
65) Chlorobenzene	11.520	112	1061538	146.520	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	413251	146.796	ug/l	100
67) Ethyl Benzene	11.593	91	1991883	154.718	ug/l	99
68) m/p-Xylenes	11.703	106	1482218	307.384	ug/l	99
69) o-Xylene	12.032	106	712523	155.334	ug/l	100
70) Styrene	12.044	104	1215371	156.001	ug/l	99
71) Bromoform	12.209	173	284625	153.042	ug/l #	98
73) Isopropylbenzene	12.331	105	1914448	160.092	ug/l	100
74) N-amyl acetate	12.148	43	677371	166.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	433934	153.179	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	351348m	164.751	ug/l	
77) Bromobenzene	12.611	156	438369	151.962	ug/l	98
78) n-propylbenzene	12.672	91	2302069	156.276	ug/l	100
79) 2-Chlorotoluene	12.758	91	1297177	156.028	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	1512701	155.132	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	158693	165.267	ug/l	100
82) 4-Chlorotoluene	12.855	91	1317821	152.169	ug/l	99
83) tert-Butylbenzene	13.081	119	1360822	160.257	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1481130	154.978	ug/l	99
85) sec-Butylbenzene	13.257	105	1975575	154.196	ug/l	100
86) p-Isopropyltoluene	13.373	119	1598950	154.551	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	826327	147.141	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	815446	144.406	ug/l	100
89) n-Butylbenzene	13.696	91	1571647	154.948	ug/l	100
90) Hexachloroethane	13.965	117	324309	148.340	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	744830	148.941	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	69992	152.484	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	454022	152.992	ug/l	99
94) Hexachlorobutadiene	15.117	225	253674	137.604	ug/l	98
95) Naphthalene	15.239	128	990922	168.240	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	396105	148.353	ug/l	99

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

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