

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013264.D
 Acq On : 12 Apr 2023 12:41
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:51:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:34:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	276841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	419246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	372619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	466075	140.089	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.180%#			
35) Dibromofluoromethane	7.715	113	394950	145.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 291.020%#			
50) Toluene-d8	10.178	98	1480478	146.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 293.080%#			
62) 4-Bromofluorobenzene	12.477	95	483443	147.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 294.560%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	375627	150.757	ug/l	97
3) Chloromethane	2.107	50	432771	138.640	ug/l	100
4) Vinyl Chloride	2.247	62	434095	146.677	ug/l	99
5) Bromomethane	2.643	94	303908	133.910	ug/l	94
6) Chloroethane	2.783	64	288511	144.552	ug/l	99
7) Trichlorofluoromethane	3.119	101	669932	145.438	ug/l	100
8) Diethyl Ether	3.527	74	241106	144.067	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	385906	142.566	ug/l	96
10) Methyl Iodide	4.088	142	531200	159.987	ug/l	96
11) Tert butyl alcohol	4.978	59	253421	741.804	ug/l	98
12) 1,1-Dichloroethene	3.863	96	385139	147.843	ug/l	97
13) Acrolein	3.728	56	292402	715.442	ug/l	99
14) Allyl chloride	4.472	41	714515	143.584	ug/l	95
15) Acrylonitrile	5.161	53	683570	710.800	ug/l	99
16) Acetone	3.948	43	839541	733.920	ug/l	98
17) Carbon Disulfide	4.186	76	1218194	142.040	ug/l	99
18) Methyl Acetate	4.472	43	524383	141.738	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	1184125	151.741	ug/l	98
20) Methylene Chloride	4.710	84	419348	147.089	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	415659	139.776	ug/l	97
22) Diisopropyl ether	6.112	45	1356920	138.360	ug/l	92
23) Vinyl Acetate	6.051	43	4525808	730.000	ug/l	99
24) 1,1-Dichloroethane	6.008	63	764250	139.507	ug/l	97
25) 2-Butanone	6.984	43	1043053	712.143	ug/l	97
26) 2,2-Dichloropropane	6.978	77	699663	142.355	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	464515	143.654	ug/l	97
28) Bromochloromethane	7.331	49	296765	135.924	ug/l	99
29) Tetrahydrofuran	7.344	42	645853	726.026	ug/l	99
30) Chloroform	7.502	83	776203	140.013	ug/l	100
31) Cyclohexane	7.783	56	689263	137.015	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	727723	145.103	ug/l	99
36) 1,1-Dichloropropene	7.917	75	610382	148.446	ug/l	99
37) Ethyl Acetate	7.069	43	493125	148.780	ug/l	95
38) Carbon Tetrachloride	7.898	117	675063	148.476	ug/l	98
39) Methylcyclohexane	9.179	83	748672	156.625	ug/l	97
40) Benzene	8.154	78	1695860	142.502	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	199633m	141.258	ug/l	
42) 1,2-Dichloroethane	8.234	62	580537	143.880	ug/l	97
43) Isopropyl Acetate	8.270	43	828922	150.569	ug/l	97
44) Trichloroethene	8.935	130	458334	149.506	ug/l	91
45) 1,2-Dichloropropane	9.209	63	444420	143.880	ug/l	97
46) Dibromomethane	9.301	93	267643	143.971	ug/l	99
47) Bromodichloromethane	9.490	83	624752	147.007	ug/l	99
48) Methyl methacrylate	9.288	41	397970	157.378	ug/l	95
49) 1,4-Dioxane	9.307	88	80276	3187.170	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	2194976	732.606	ug/l	98
52) Toluene	10.239	92	1050883	146.239	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	676234	151.942	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	728910	149.364	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	353845	144.358	ug/l	99
56) Ethyl methacrylate	10.508	69	535828	159.654	ug/l	95
57) 1,3-Dichloropropane	10.788	76	602411	144.500	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	1039621	741.863	ug/l	98
59) 2-Hexanone	10.831	43	1614517	741.106	ug/l	97
60) Dibromochloromethane	10.983	129	452899	147.358	ug/l	100
61) 1,2-Dibromoethane	11.087	107	355787	149.060	ug/l	99
64) Tetrachloroethene	10.715	164	396560	150.853	ug/l	95
65) Chlorobenzene	11.514	112	1108918	142.263	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	425615	145.501	ug/l	99
67) Ethyl Benzene	11.587	91	2052306	151.172	ug/l	99
68) m/p-Xylenes	11.703	106	1562962	300.897	ug/l	98
69) o-Xylene	12.026	106	736349	153.064	ug/l	99
70) Styrene	12.044	104	1235042	152.002	ug/l	97
71) Bromoform	12.203	173	299244	147.666	ug/l #	99
73) Isopropylbenzene	12.324	105	1923182	156.773	ug/l	100
74) N-amyl acetate	12.142	43	672220	153.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	428720	141.470	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	316171m	141.392	ug/l	
77) Bromobenzene	12.605	156	460890	150.240	ug/l	99
78) n-propylbenzene	12.672	91	2301675	151.920	ug/l	100
79) 2-Chlorotoluene	12.751	91	1291927	151.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1573678	153.151	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	165510	154.146	ug/l	96
82) 4-Chlorotoluene	12.855	91	1336396	148.641	ug/l	98
83) tert-Butylbenzene	13.074	119	1375528	156.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1557146	155.710	ug/l	98
85) sec-Butylbenzene	13.251	105	1993977	151.228	ug/l	99
86) p-Isopropyltoluene	13.367	119	1673990	154.720	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	868564	146.881	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	865498	144.833	ug/l	99
89) n-Butylbenzene	13.696	91	1584525	153.121	ug/l	99
90) Hexachloroethane	13.958	117	328906	145.796	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	778888	144.748	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	84899	154.271	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	504026	157.598	ug/l	98
94) Hexachlorobutadiene	15.111	225	276099	145.792	ug/l	99
95) Naphthalene	15.232	128	1210817	147.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	454925	156.134	ug/l	99

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

