

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015944.D
 Acq On : 12 Oct 2023 19:29
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 13 12:55:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 09:06:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/13/2023
 Supervised By :Semsettin Yesilyurt 10/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	226166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	370275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	340359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	382215	148.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 296.160%#			
35) Dibromofluoromethane	7.728	113	350930	150.544	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 301.080%#			
50) Toluene-d8	10.185	98	1314987	150.633	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 301.260%#			
62) 4-Bromofluorobenzene	12.489	95	462552	148.802	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 297.600%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	296538	156.698	ug/l	98
3) Chloromethane	2.113	50	395835	144.094	ug/l	98
4) Vinyl Chloride	2.253	62	372029	153.679	ug/l	98
5) Bromomethane	2.662	94	222057	162.168	ug/l	98
6) Chloroethane	2.796	64	187635	118.826	ug/l	95
7) Trichlorofluoromethane	3.119	101	635749	154.829	ug/l	100
8) Diethyl Ether	3.534	74	220979	143.995	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	355549	152.283	ug/l	94
10) Methyl Iodide	4.088	142	452856	168.674	ug/l	96
11) Tert butyl alcohol	5.076	59	405051	270.793	ug/l #	79
12) 1,1-Dichloroethene	3.863	96	339534	154.370	ug/l	92
13) Acrolein	3.747	56	341255	700.019	ug/l	99
14) Allyl chloride	4.478	41	551151	155.071	ug/l	89
15) Acrylonitrile	5.192	53	925025	684.235	ug/l	98
16) Acetone	3.985	43	1136880	753.922	ug/l	90
17) Carbon Disulfide	4.186	76	1060345	157.726	ug/l	98
18) Methyl Acetate	4.503	43	689020	132.482	ug/l #	89
19) Methyl tert-butyl Ether	5.241	73	1113917	151.075	ug/l	100
20) Methylene Chloride	4.722	84	403374	149.146	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	390263	151.799	ug/l	95
22) Diisopropyl ether	6.137	45	1095985	148.497	ug/l	95
23) Vinyl Acetate	6.076	43	3579076	737.129	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	672326	153.105	ug/l	96
25) 2-Butanone	7.015	43	1512064	670.166	ug/l	93
26) 2,2-Dichloropropane	6.990	77	560899	153.821	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	449899	155.633	ug/l	91
28) Bromochloromethane	7.344	49	277177	141.443	ug/l	88
29) Tetrahydrofuran	7.368	42	926527	619.388	ug/l	89
30) Chloroform	7.515	83	691925	151.809	ug/l	96
31) Cyclohexane	7.789	56	589063	143.362	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	626074	154.446	ug/l	97
36) 1,1-Dichloropropene	7.923	75	541239	153.879	ug/l	99
37) Ethyl Acetate	7.094	43	671797m	121.728	ug/l	
38) Carbon Tetrachloride	7.905	117	570095	153.905	ug/l	99
39) Methylcyclohexane	9.191	83	707528	156.786	ug/l	92
40) Benzene	8.167	78	1550369	152.343	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	225828	126.432	ug/l	92
42) 1,2-Dichloroethane	8.246	62	491142	150.405	ug/l	93
43) Isopropyl Acetate	8.289	43	873790m	150.142	ug/l	
44) Trichloroethene	8.947	130	473203	150.885	ug/l	98
45) 1,2-Dichloropropane	9.222	63	397726	153.157	ug/l	98
46) Dibromomethane	9.313	93	270536	148.212	ug/l	98
47) Bromodichloromethane	9.502	83	574308	155.811	ug/l	99
48) Methyl methacrylate	9.301	41	385186	149.569	ug/l #	84
49) 1,4-Dioxane	9.350	88	168920	3254.780	ug/l #	55
51) 4-Methyl-2-Pentanone	10.081	43	3213055	747.787	ug/l	89
52) Toluene	10.252	92	992502	152.537	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	663437	160.529	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	706527	159.034	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	399165	153.595	ug/l	96
56) Ethyl methacrylate	10.520	69	656853	161.452	ug/l #	83
57) 1,3-Dichloropropane	10.794	76	675364	153.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	1184741	663.612	ug/l	94
59) 2-Hexanone	10.843	43	2662188	725.834	ug/l	86
60) Dibromochloromethane	10.989	129	468371	158.483	ug/l	100
61) 1,2-Dibromoethane	11.099	107	431797	153.554	ug/l	99
64) Tetrachloroethene	10.727	164	439077	147.986	ug/l	97
65) Chlorobenzene	11.520	112	1094760	153.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	414813	157.133	ug/l	99
67) Ethyl Benzene	11.599	91	1941585	155.706	ug/l	98
68) m/p-Xylenes	11.709	106	1497531	311.191	ug/l	95
69) o-Xylene	12.038	106	722059	156.942	ug/l	96
70) Styrene	12.050	104	1223413	156.247	ug/l	96
71) Bromoform	12.215	173	352265	156.696	ug/l #	100
73) Isopropylbenzene	12.337	105	1827660	158.142	ug/l	99
74) N-amyl acetate	12.148	43	748342	160.280	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	563725	158.804	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	476799m	159.055	ug/l	
77) Bromobenzene	12.611	156	461828	159.180	ug/l	92
78) n-propylbenzene	12.678	91	2192573	156.013	ug/l	99
79) 2-Chlorotoluene	12.764	91	1256995	158.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	1513070	157.587	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	227555	167.781	ug/l	89
82) 4-Chlorotoluene	12.861	91	1294042	158.397	ug/l	99
83) tert-Butylbenzene	13.081	119	1314445	155.795	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1518118	157.513	ug/l	98
85) sec-Butylbenzene	13.257	105	1929677	154.110	ug/l	100
86) p-Isopropyltoluene	13.373	119	1632911	156.058	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	871322	156.386	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	865552	153.840	ug/l	100
89) n-Butylbenzene	13.702	91	1518435	154.321	ug/l	96
90) Hexachloroethane	13.965	117	321855	160.489	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	809816	154.914	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	154611	152.254	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	558418	162.522	ug/l	99
94) Hexachlorobutadiene	15.117	225	270596	155.106	ug/l	99
95) Naphthalene	15.239	128	1830157	164.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	532645	161.696	ug/l	99

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

