

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110823\
 Data File : VY016258.D
 Acq On : 08 Nov 2023 10:57
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 09 00:31:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:22:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2023
 Supervised By :Mahesh Dadoda 11/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	180944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	293122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	252260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	113315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	246060	148.788	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 297.580%#			
35) Dibromofluoromethane	7.728	113	239948	144.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 288.200%#			
50) Toluene-d8	10.191	98	989939	146.606	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 293.220%#			
62) 4-Bromofluorobenzene	12.489	95	322805	147.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 294.380%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	243489	137.429	ug/l	98
3) Chloromethane	2.119	50	275945	132.986	ug/l	98
4) Vinyl Chloride	2.253	62	309179	138.568	ug/l	96
5) Bromomethane	2.643	94	215698	147.100	ug/l	100
6) Chloroethane	2.796	64	203476	142.916	ug/l	95
7) Trichlorofluoromethane	3.131	101	465115	143.280	ug/l	99
8) Diethyl Ether	3.539	74	146730	151.237	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.905	101	275450	140.882	ug/l	95
10) Methyl Iodide	4.100	142	327284	154.991	ug/l	97
11) Tert butyl alcohol	4.966	59	97125	749.988	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	263637	144.182	ug/l	91
13) Acrolein	3.735	56	115326	738.311	ug/l	99
14) Allyl chloride	4.491	41	381383	146.981	ug/l #	92
15) Acrylonitrile	5.173	53	300124	779.493	ug/l	98
16) Acetone	3.954	43	190450	696.211	ug/l #	88
17) Carbon Disulfide	4.204	76	786492	142.558	ug/l	99
18) Methyl Acetate	4.484	43	227151	156.271	ug/l #	91
19) Methyl tert-butyl Ether	5.234	73	691967	156.357	ug/l	98
20) Methylene Chloride	4.728	84	278381	151.092	ug/l	90
21) trans-1,2-Dichloroethene	5.234	96	301451	143.186	ug/l	93
22) Diisopropyl ether	6.130	45	829719	148.375	ug/l	89
23) Vinyl Acetate	6.076	43	2096945	773.895	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	497462	144.199	ug/l	97
25) 2-Butanone	6.996	43	359981	751.307	ug/l	92
26) 2,2-Dichloropropane	6.996	77	461709	147.050	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	333838	147.139	ug/l	92
28) Bromochloromethane	7.350	49	187419	146.789	ug/l	89
29) Tetrahydrofuran	7.362	42	252638	797.730	ug/l	89
30) Chloroform	7.520	83	516239	143.763	ug/l	96
31) Cyclohexane	7.795	56	448662	137.797	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	477108	144.945	ug/l	97
36) 1,1-Dichloropropene	7.929	75	413549	143.031	ug/l	99
37) Ethyl Acetate	7.088	43	178937	153.169	ug/l #	95
38) Carbon Tetrachloride	7.917	117	437671	145.852	ug/l	99
39) Methylcyclohexane	9.197	83	534266	148.293	ug/l	92
40) Benzene	8.173	78	1171618	144.229	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	90341m	153.369	ug/l	
42) 1,2-Dichloroethane	8.246	62	311231	147.869	ug/l	93
43) Isopropyl Acetate	8.283	43	354085	156.801	ug/l #	91
44) Trichloroethene	8.953	130	336511	144.140	ug/l	99
45) 1,2-Dichloropropane	9.227	63	285413	146.299	ug/l	95
46) Dibromomethane	9.319	93	158586	150.008	ug/l	97
47) Bromodichloromethane	9.508	83	399445	146.968	ug/l	98
48) Methyl methacrylate	9.301	41	198576	159.112	ug/l	86
49) 1,4-Dioxane	9.313	88	37558	3346.347	ug/l #	54
51) 4-Methyl-2-Pentanone	10.081	43	881598	772.038	ug/l	90
52) Toluene	10.252	92	745415	145.165	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	401637	152.435	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	472662	150.195	ug/l #	89
55) 1,1,2-Trichloroethane	10.654	97	219234	150.457	ug/l	96
56) Ethyl methacrylate	10.520	69	223913	162.788	ug/l #	83
57) 1,3-Dichloropropane	10.800	76	371160	149.433	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.794	63	775979	831.996	ug/l	94
59) 2-Hexanone	10.843	43	611988	720.511	ug/l	87
60) Dibromochloromethane	10.995	129	277043	152.025	ug/l	99
61) 1,2-Dibromoethane	11.099	107	212176	152.841	ug/l	100
64) Tetrachloroethene	10.733	164	327026	144.379	ug/l	98
65) Chlorobenzene	11.526	112	783384	145.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	294947	148.374	ug/l	99
67) Ethyl Benzene	11.605	91	1435525	148.206	ug/l	98
68) m/p-Xylenes	11.715	106	1087252	295.947	ug/l	94
69) o-Xylene	12.038	106	506126	148.381	ug/l	98
70) Styrene	12.056	104	743656	152.258	ug/l	98
71) Bromoform	12.215	173	161628	156.696	ug/l #	98
73) Isopropylbenzene	12.337	105	1355980	147.774	ug/l	99
74) N-amyl acetate	12.154	43	296826	161.044	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	222271	150.956	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	155988m	134.505	ug/l	
77) Bromobenzene	12.617	156	308901	148.947	ug/l	95
78) n-propylbenzene	12.678	91	1590935	146.710	ug/l	99
79) 2-Chlorotoluene	12.763	91	875134	146.437	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	1093444	147.800	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.385	75	80126	159.997	ug/l	90
82) 4-Chlorotoluene	12.861	91	896369	145.155	ug/l	99
83) tert-Butylbenzene	13.087	119	966583	148.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	1085055	148.951	ug/l	99
85) sec-Butylbenzene	13.263	105	1347282	144.720	ug/l	100
86) p-Isopropyltoluene	13.379	119	1177453	146.884	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	587864	147.338	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	570310	146.259	ug/l	99
89) n-Butylbenzene	13.702	91	1073032	144.946	ug/l	96
90) Hexachloroethane	13.971	117	229533	148.436	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	507208	148.351	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	35268	150.549	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	309293	154.983	ug/l	99
94) Hexachlorobutadiene	15.123	225	152927	133.756	ug/l	98
95) Naphthalene	15.245	128	595223	166.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	257211	155.825	ug/l	99

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

