

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015942.D
 Acq On : 12 Oct 2023 18:42
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 13 12:54:51 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	227480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	371988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	341509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	134388	51.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.520%			
35) Dibromofluoromethane	7.722	113	122099	52.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.280%			
50) Toluene-d8	10.185	98	452165	51.557	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.120%			
62) 4-Bromofluorobenzene	12.483	95	160623	51.434	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	100177	52.630	ug/l	99
3) Chloromethane	2.113	50	140235	47.427	ug/l	96
4) Vinyl Chloride	2.253	62	124930	51.308	ug/l	96
5) Bromomethane	2.656	94	74873	54.364	ug/l	100
6) Chloroethane	2.796	64	84627	53.283	ug/l	99
7) Trichlorofluoromethane	3.119	101	211131	51.121	ug/l	99
8) Diethyl Ether	3.534	74	80151	51.926	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	117116	49.872	ug/l	95
10) Methyl Iodide	4.094	142	147367	54.572	ug/l	96
11) Tert butyl alcohol	5.015	59	274578m	182.506	ug/l	
12) 1,1-Dichloroethene	3.869	96	112459	50.835	ug/l	89
13) Acrolein	3.741	56	135690	276.734	ug/l	100
14) Allyl chloride	4.479	41	185093	51.777	ug/l	90
15) Acrylonitrile	5.186	53	355340	261.324	ug/l	97
16) Acetone	3.973	43	448964	296.011	ug/l	93
17) Carbon Disulfide	4.198	76	343098	50.741	ug/l	99
18) Methyl Acetate	4.491	43	269058	51.435	ug/l #	90
19) Methyl tert-butyl Ether	5.234	73	387404	52.238	ug/l	100
20) Methylene Chloride	4.722	84	143083	49.667	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	130253	50.371	ug/l	93
22) Diisopropyl ether	6.131	45	380740	51.289	ug/l	96
23) Vinyl Acetate	6.070	43	1316012	269.474	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	221888	50.238	ug/l	97
25) 2-Butanone	7.002	43	568850	250.665	ug/l	94
26) 2,2-Dichloropropane	6.984	77	183001	49.896	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	148604	51.109	ug/l	92
28) Bromochloromethane	7.344	49	99929	50.699	ug/l	90
29) Tetrahydrofuran	7.362	42	390365	259.454	ug/l	90
30) Chloroform	7.515	83	233012	50.828	ug/l	97
31) Cyclohexane	7.789	56	199543	48.283	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	204802	50.231	ug/l	97
36) 1,1-Dichloropropene	7.923	75	178075	50.395	ug/l	99
37) Ethyl Acetate	7.088	43	283426	51.120	ug/l	96
38) Carbon Tetrachloride	7.905	117	185993	49.980	ug/l	98
39) Methylcyclohexane	9.185	83	227829	50.254	ug/l	93
40) Benzene	8.167	78	514847	50.357	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	90665m	50.526	ug/l	
42) 1,2-Dichloroethane	8.240	62	165183	50.352	ug/l	93
43) Isopropyl Acetate	8.283	43	305714	52.289	ug/l #	96
44) Trichloroethene	8.941	130	153872	48.837	ug/l	98
45) 1,2-Dichloropropane	9.222	63	130926	50.185	ug/l	97
46) Dibromomethane	9.307	93	95580	52.122	ug/l	96
47) Bromodichloromethane	9.502	83	188207	50.826	ug/l	97
48) Methyl methacrylate	9.295	41	137022	52.961	ug/l #	82
49) 1,4-Dioxane	9.325	88	49577	950.859	ug/l #	37
51) 4-Methyl-2-Pentanone	10.075	43	1131992	262.240	ug/l	91
52) Toluene	10.246	92	329850	50.461	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	214562	51.678	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	229816	51.492	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	130301	49.908	ug/l	97
56) Ethyl methacrylate	10.514	69	213934	52.342	ug/l #	84
57) 1,3-Dichloropropane	10.794	76	223267	50.408	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	367272	204.774	ug/l	95
59) 2-Hexanone	10.837	43	950067	257.839	ug/l	86
60) Dibromochloromethane	10.990	129	152897	51.498	ug/l	100
61) 1,2-Dibromoethane	11.093	107	142932	50.595	ug/l	100
64) Tetrachloroethene	10.721	164	142340	47.812	ug/l	98
65) Chlorobenzene	11.520	112	361799	50.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	133280	50.317	ug/l	97
67) Ethyl Benzene	11.599	91	638139	51.003	ug/l	98
68) m/p-Xylenes	11.709	106	493524	102.210	ug/l	96
69) o-Xylene	12.032	106	237173	51.377	ug/l	97
70) Styrene	12.044	104	405788	51.650	ug/l	96
71) Bromoform	12.209	173	116409	51.607	ug/l #	100
73) Isopropylbenzene	12.331	105	618351	50.679	ug/l	100
74) N-amyl acetate	12.148	43	259733	52.693	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	192213	51.288	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	151510m	47.874	ug/l	
77) Bromobenzene	12.611	156	154978	50.597	ug/l	92
78) n-propylbenzene	12.672	91	754911	50.880	ug/l	100
79) 2-Chlorotoluene	12.758	91	424301	50.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	518623	51.163	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	75495	52.725	ug/l	91
82) 4-Chlorotoluene	12.855	91	435019	50.437	ug/l	98
83) tert-Butylbenzene	13.075	119	458736	51.501	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	518665	50.973	ug/l	99
85) sec-Butylbenzene	13.257	105	675018	51.063	ug/l	100
86) p-Isopropyltoluene	13.373	119	567782	51.398	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	294448	50.058	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	299241	50.378	ug/l	99
89) n-Butylbenzene	13.696	91	530209	51.041	ug/l	96
90) Hexachloroethane	13.965	117	105808	49.974	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	279121	50.575	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	52834	49.282	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	184324	50.813	ug/l	99
94) Hexachlorobutadiene	15.117	225	92631	50.293	ug/l	97
95) Naphthalene	15.239	128	603685	51.299	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	174109	50.064	ug/l	99

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

