

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012514.D
 Acq On : 07 Feb 2023 12:11
 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 02/08/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 21:50:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 21:44:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	232922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	214705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	296160	148.757	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 297.520%#			
35) Dibromofluoromethane	7.716	113	253893	149.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 299.360%#			
50) Toluene-d8	10.179	98	1061116	150.291	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 300.580%#			
62) 4-Bromofluorobenzene	12.483	95	357167	145.031	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 290.060%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	159686	151.530	ug/l	100
3) Chloromethane	2.113	50	169922	139.297	ug/l	98
4) Vinyl Chloride	2.253	62	212986	140.144	ug/l	99
5) Bromomethane	2.637	94	160307	150.283	ug/l	99
6) Chloroethane	2.790	64	152058	143.745	ug/l	100
7) Trichlorofluoromethane	3.125	101	437468	140.045	ug/l	97
8) Diethyl Ether	3.527	74	144301	155.788	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	227232	144.053	ug/l	99
10) Methyl Iodide	4.088	142	329401	161.079	ug/l	99
11) Tert butyl alcohol	4.960	59	145653	776.818	ug/l	97
12) 1,1-Dichloroethene	3.875	96	226378	145.243	ug/l	97
13) Acrolein	3.728	56	189577	809.990	ug/l	98
14) Allyl chloride	4.478	41	295397	155.441	ug/l	98
15) Acrylonitrile	5.161	53	352743	825.444	ug/l	99
16) Acetone	3.948	43	428337	893.902	ug/l	98
17) Carbon Disulfide	4.192	76	558415	138.129	ug/l	99
18) Methyl Acetate	4.478	43	182479	158.438	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	731983	160.495	ug/l	100
20) Methylene Chloride	4.716	84	254905	150.907	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	244737	143.977	ug/l	97
22) Diisopropyl ether	6.118	45	595526	154.117	ug/l	96
23) Vinyl Acetate	6.057	43	1943248	834.201	ug/l	100
24) 1,1-Dichloroethane	6.021	63	407135	147.387	ug/l	98
25) 2-Butanone	6.984	43	465948	876.418	ug/l	100
26) 2,2-Dichloropropane	6.984	77	444623	146.497	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	296285	150.199	ug/l	100
28) Bromochloromethane	7.331	49	162076	161.410	ug/l	96
29) Tetrahydrofuran	7.344	42	246100	856.239	ug/l	100
30) Chloroform	7.508	83	481370	144.535	ug/l	98
31) Cyclohexane	7.789	56	319966	139.005	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	470439	145.563	ug/l	99
36) 1,1-Dichloropropene	7.917	75	332015	144.621	ug/l	100
37) Ethyl Acetate	7.075	43	170003	164.110	ug/l	99
38) Carbon Tetrachloride	7.898	117	444252	144.157	ug/l	100
39) Methylcyclohexane	9.185	83	410604	148.635	ug/l	100
40) Benzene	8.161	78	1001221	147.658	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	91296m	160.896	ug/l	
42) 1,2-Dichloroethane	8.234	62	327752	149.130	ug/l	99
43) Isopropyl Acetate	8.270	43	328489	171.028	ug/l	97
44) Trichloroethene	8.941	130	299601	145.147	ug/l	99
45) 1,2-Dichloropropane	9.215	63	221684	150.774	ug/l	98
46) Dibromomethane	9.307	93	146166	150.138	ug/l	99
47) Bromodichloromethane	9.496	83	378441	149.922	ug/l	100
48) Methyl methacrylate	9.288	41	149445	170.225	ug/l	99
49) 1,4-Dioxane	9.301	88	46604	3467.727	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	897714	866.301	ug/l	100
52) Toluene	10.246	92	676929	147.215	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	396850	156.018	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	419843	152.526	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	217461	152.870	ug/l	98
56) Ethyl methacrylate	10.508	69	301980	168.966	ug/l	100
57) 1,3-Dichloropropane	10.788	76	350927	152.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	671303	835.664	ug/l	99
59) 2-Hexanone	10.831	43	703005	897.701	ug/l	99
60) Dibromochloromethane	10.983	129	289219	152.523	ug/l	99
61) 1,2-Dibromoethane	11.087	107	205906	154.483	ug/l	99
64) Tetrachloroethene	10.721	164	316179	141.056	ug/l	98
65) Chlorobenzene	11.520	112	744571	146.212	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	295233	147.943	ug/l	98
67) Ethyl Benzene	11.593	91	1339227	149.798	ug/l	99
68) m/p-Xylenes	11.703	106	1060966	297.308	ug/l	100
69) o-Xylene	12.032	106	510389	150.181	ug/l	98
70) Styrene	12.044	104	870446	151.023	ug/l	99
71) Bromoform	12.209	173	193930	153.746	ug/l #	99
73) Isopropylbenzene	12.331	105	1361532	150.679	ug/l	100
74) N-amyl acetate	12.142	43	291462	178.188	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	232324	159.009	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	199951m	159.850	ug/l	
77) Bromobenzene	12.611	156	326878	149.252	ug/l	98
78) n-propylbenzene	12.672	91	1557136	149.720	ug/l	99
79) 2-Chlorotoluene	12.757	91	892038	151.088	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1156205	148.640	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	92058	166.372	ug/l	99
82) 4-Chlorotoluene	12.855	91	925908	149.499	ug/l	99
83) tert-Butylbenzene	13.074	119	1044865	153.179	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1146694	149.821	ug/l	100
85) sec-Butylbenzene	13.257	105	1454390	149.039	ug/l	100
86) p-Isopropyltoluene	13.373	119	1268261	149.812	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	643438	147.657	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	640326	146.696	ug/l	99
89) n-Butylbenzene	13.696	91	1097614	151.704	ug/l	99
90) Hexachloroethane	13.964	117	229025	147.390	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	583737	148.909	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	48942	168.327	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	392981	161.790	ug/l	99
94) Hexachlorobutadiene	15.111	225	219471	145.448	ug/l	99
95) Naphthalene	15.239	128	843115	180.816	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	343003	163.139	ug/l	100

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

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