

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013398.D
 Acq On : 24 Apr 2023 13:19
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 02:02:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 24 14:03:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	237801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	370103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	319454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	362285	138.976	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.960%#			
35) Dibromofluoromethane	7.716	113	329807	141.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 283.360%#			
50) Toluene-d8	10.179	98	1157793	139.815	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 279.640%#			
62) 4-Bromofluorobenzene	12.483	95	385444	138.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 276.140%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	347545	153.731	ug/l	99
3) Chloromethane	2.113	50	468240	154.516	ug/l	99
4) Vinyl Chloride	2.253	62	476603	157.957	ug/l	99
5) Bromomethane	2.650	94	376767	156.695	ug/l	99
6) Chloroethane	2.790	64	356773	171.159	ug/l	99
7) Trichlorofluoromethane	3.125	101	677179	148.150	ug/l	100
8) Diethyl Ether	3.528	74	240694	154.633	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	384446	149.946	ug/l	94
10) Methyl Iodide	4.088	142	519698	161.385	ug/l	100
11) Tert butyl alcohol	5.003	59	225303	832.079	ug/l	100
12) 1,1-Dichloroethene	3.869	96	377315	152.671	ug/l	85
13) Acrolein	3.729	56	173185	779.088	ug/l	96
14) Allyl chloride	4.479	41	737520	160.828	ug/l	97
15) Acrylonitrile	5.168	53	705628	809.461	ug/l	99
16) Acetone	3.954	43	837649	815.951	ug/l	98
17) Carbon Disulfide	4.192	76	1228395	153.014	ug/l	99
18) Methyl Acetate	4.479	43	549101	161.947	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	1156168	162.042	ug/l	98
20) Methylene Chloride	4.716	84	437400	152.606	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	414825	153.514	ug/l	95
22) Diisopropyl ether	6.119	45	1470448	164.054	ug/l	94
23) Vinyl Acetate	6.058	43	4360717m	852.822	ug/l	
24) 1,1-Dichloroethane	6.015	63	776801	155.501	ug/l	98
25) 2-Butanone	6.990	43	1090184	837.350	ug/l	93
26) 2,2-Dichloropropane	6.978	77	668054	155.196	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	466001	156.083	ug/l	93
28) Bromochloromethane	7.332	49	266292	150.218	ug/l #	80
29) Tetrahydrofuran	7.350	42	685764	846.169	ug/l	90
30) Chloroform	7.509	83	760554	153.129	ug/l	99
31) Cyclohexane	7.783	56	700604	150.109	ug/l #	88
32) 1,1,1-Trichloroethane	7.704	97	670611	151.309	ug/l	97
36) 1,1-Dichloropropene	7.917	75	590991	152.977	ug/l	97
37) Ethyl Acetate	7.076	43	498933	171.617	ug/l	94
38) Carbon Tetrachloride	7.899	117	605653	149.575	ug/l	98
39) Methylcyclohexane	9.185	83	734542	161.281	ug/l	95
40) Benzene	8.161	78	1656656	152.233	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	219644	161.778	ug/l	95
42) 1,2-Dichloroethane	8.234	62	538048	151.230	ug/l	99
43) Isopropyl Acetate	8.271	43	832345	169.620	ug/l	95
44) Trichloroethene	8.941	130	429948	148.529	ug/l	94
45) 1,2-Dichloropropane	9.216	63	441518	155.171	ug/l	100
46) Dibromomethane	9.307	93	259519	152.435	ug/l	93
47) Bromodichloromethane	9.496	83	587887	154.320	ug/l	99
48) Methyl methacrylate	9.295	41	394656	175.116	ug/l	91
49) 1,4-Dioxane	9.313	88	79608	3274.022	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	2246668	821.609	ug/l	96
52) Toluene	10.246	92	1013828	154.814	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	639429	158.597	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	707537	155.959	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	342360	151.850	ug/l	96
56) Ethyl methacrylate	10.508	69	526764	168.408	ug/l	88
57) 1,3-Dichloropropane	10.788	76	588594	154.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	881344	751.414	ug/l	92
59) 2-Hexanone	10.831	43	1632425	821.246	ug/l	95
60) Dibromochloromethane	10.984	129	416976	152.315	ug/l	100
61) 1,2-Dibromoethane	11.087	107	339721	153.260	ug/l	100
64) Tetrachloroethene	10.721	164	359790	148.114	ug/l	95
65) Chlorobenzene	11.514	112	1041831	149.711	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	384268	147.647	ug/l	99
67) Ethyl Benzene	11.593	91	1925582	157.578	ug/l	99
68) m/p-Xylenes	11.703	106	1444566	310.965	ug/l	98
69) o-Xylene	12.026	106	683092	155.481	ug/l	96
70) Styrene	12.044	104	1157262	157.538	ug/l	99
71) Bromoform	12.209	173	272889	149.693	ug/l	100
73) Isopropylbenzene	12.331	105	1805920	162.833	ug/l	98
74) N-amyl acetate	12.142	43	688075	174.341	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	422726	155.938	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	318585m	157.350	ug/l	
77) Bromobenzene	12.611	156	409564	152.407	ug/l	87
78) n-propylbenzene	12.672	91	2185613	159.993	ug/l	97
79) 2-Chlorotoluene	12.758	91	1204876	157.944	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	1431328	158.121	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	160664	166.194	ug/l	97
82) 4-Chlorotoluene	12.855	91	1244738	156.550	ug/l	96
83) tert-Butylbenzene	13.075	119	1235322	157.517	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1396422	158.670	ug/l	99
85) sec-Butylbenzene	13.251	105	1828687	155.367	ug/l	98
86) p-Isopropyltoluene	13.367	119	1473147	155.638	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	758389	148.129	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	754677	145.922	ug/l	99
89) n-Butylbenzene	13.696	91	1461354	158.187	ug/l	98
90) Hexachloroethane	13.959	117	302361	151.780	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	694427	150.202	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	77672	162.233	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	420856	152.681	ug/l	99
94) Hexachlorobutadiene	15.111	225	221732	138.219	ug/l	99
95) Naphthalene	15.233	128	1032902	172.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	375055	152.660	ug/l	99

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

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