

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040723\
 Data File : VY013224.D
 Acq On : 07 Apr 2023 18:52
 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 04/10/2023
 Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 08 02:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040723S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 08 02:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	89381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	136189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	123839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	159806	137.940	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 275.880%#			
35) Dibromofluoromethane	7.710	113	139206	145.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 291.700%#			
50) Toluene-d8	10.179	98	502324	148.354	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 296.700%#			
62) 4-Bromofluorobenzene	12.477	95	175909	150.509	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 301.020%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	111524	130.825	ug/l	100
3) Chloromethane	2.107	50	147872	149.398	ug/l	99
4) Vinyl Chloride	2.247	62	144598	143.095	ug/l	97
5) Bromomethane	2.625	94	95566	154.453	ug/l	92
6) Chloroethane	2.777	64	103739	133.995	ug/l	100
7) Trichlorofluoromethane	3.113	101	211318	136.878	ug/l	98
8) Diethyl Ether	3.521	74	80497	140.783	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	129291	140.360	ug/l	98
10) Methyl Iodide	4.082	142	165766	159.515	ug/l	96
11) Tert butyl alcohol	4.954	59	108767	737.309	ug/l	97
12) 1,1-Dichloroethene	3.863	96	119437	142.452	ug/l	92
13) Acrolein	3.722	56	71850	682.652	ug/l	99
14) Allyl chloride	4.472	41	258061	149.950	ug/l	94
15) Acrylonitrile	5.155	53	260774	720.791	ug/l	99
16) Acetone	3.942	43	279297	668.925	ug/l	96
17) Carbon Disulfide	4.186	76	339351	138.771	ug/l	99
18) Methyl Acetate	4.466	43	194619	138.930	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	433923	152.843	ug/l	100
20) Methylene Chloride	4.710	84	148063	150.279	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	145572	147.250	ug/l	99
22) Diisopropyl ether	6.112	45	530207	148.223	ug/l	96
23) Vinyl Acetate	6.051	43	1695994	753.983	ug/l	99
24) 1,1-Dichloroethane	6.009	63	276624	145.077	ug/l	99
25) 2-Butanone	6.978	43	392259	685.398	ug/l	95
26) 2,2-Dichloropropane	6.978	77	242646	137.686	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	166554	148.035	ug/l	96
28) Bromochloromethane	7.325	49	128073	145.427	ug/l	96
29) Tetrahydrofuran	7.344	42	245211	712.302	ug/l	99
30) Chloroform	7.502	83	283941	145.151	ug/l	97
31) Cyclohexane	7.777	56	226819	140.324	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	250979	144.331	ug/l	98
36) 1,1-Dichloropropene	7.911	75	205789	146.949	ug/l	99
37) Ethyl Acetate	7.069	43	166670	141.817	ug/l	97
38) Carbon Tetrachloride	7.892	117	228137	142.170	ug/l	98
39) Methylcyclohexane	9.179	83	240712	154.532	ug/l	97
40) Benzene	8.155	78	592112	143.056	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	69846m	157.428	ug/l	
42) 1,2-Dichloroethane	8.234	62	206217	143.295	ug/l	99
43) Isopropyl Acetate	8.264	43	307461	148.995	ug/l	96
44) Trichloroethene	8.935	130	155320	145.956	ug/l	97
45) 1,2-Dichloropropane	9.209	63	158306	146.001	ug/l	97
46) Dibromomethane	9.301	93	94064	142.507	ug/l	99
47) Bromodichloromethane	9.490	83	225532	146.238	ug/l	99
48) Methyl methacrylate	9.289	41	140069	154.786	ug/l	95
49) 1,4-Dioxane	9.295	88	28189	3189.046	ug/l	88
51) 4-Methyl-2-Pentanone	10.063	43	826950	715.165	ug/l	98
52) Toluene	10.240	92	373209	148.321	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	245284	151.926	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	262543	151.230	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	129366	145.132	ug/l	99
56) Ethyl methacrylate	10.508	69	197651	162.351	ug/l	94
57) 1,3-Dichloropropane	10.788	76	225769	146.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	435288	755.976	ug/l	99
59) 2-Hexanone	10.831	43	598422	717.960	ug/l	97
60) Dibromochloromethane	10.983	129	163897	148.201	ug/l	99
61) 1,2-Dibromoethane	11.087	107	127168	147.639	ug/l	100
64) Tetrachloroethene	10.715	164	134057	143.603	ug/l	97
65) Chlorobenzene	11.514	112	402910	142.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	158489	143.890	ug/l	98
67) Ethyl Benzene	11.587	91	736916	151.773	ug/l	98
68) m/p-Xylenes	11.697	106	560210	301.675	ug/l	99
69) o-Xylene	12.026	106	266910	153.709	ug/l	100
70) Styrene	12.038	104	455209	152.941	ug/l	98
71) Bromoform	12.203	173	112341	146.599	ug/l #	98
73) Isopropylbenzene	12.325	105	712681	156.697	ug/l	100
74) N-amyl acetate	12.142	43	258275	153.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	165851	143.056	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	115095m	133.426	ug/l	
77) Bromobenzene	12.605	156	170785	149.946	ug/l	100
78) n-propylbenzene	12.666	91	860440	154.222	ug/l	100
79) 2-Chlorotoluene	12.751	91	481988	151.721	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	582999	154.784	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	61412	148.550	ug/l	95
82) 4-Chlorotoluene	12.849	91	493562	148.953	ug/l	98
83) tert-Butylbenzene	13.074	119	524600	158.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	574413	156.181	ug/l	98
85) sec-Butylbenzene	13.251	105	748658	153.362	ug/l	100
86) p-Isopropyltoluene	13.367	119	629881	155.376	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	324394	144.495	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	324929	142.305	ug/l	99
89) n-Butylbenzene	13.690	91	595095	154.907	ug/l	100
90) Hexachloroethane	13.958	117	127491	147.972	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	299432	145.315	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30780	142.747	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	195233	158.299	ug/l	98
94) Hexachlorobutadiene	15.111	225	109019	147.458	ug/l	99
95) Naphthalene	15.233	128	449995	165.275	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	176017	153.490	ug/l	99

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

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