

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010764.D
 Acq On : 03 Oct 2022 13:42
 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 10/04/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 07:10:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:03:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	287608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	453998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	413137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	203725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	440536	151.113	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 302.220%#			
35) Dibromofluoromethane	7.716	113	419393	139.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 278.320%#			
50) Toluene-d8	10.179	98	1707725	165.695	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 331.400%#			
62) 4-Bromofluorobenzene	12.477	95	578161	132.301	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 264.600%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	276253	138.646	ug/l	100
3) Chloromethane	2.113	50	459901	138.772	ug/l	96
4) Vinyl Chloride	2.247	62	558256	139.893	ug/l	99
5) Bromomethane	2.631	94	390131	137.776	ug/l	97
6) Chloroethane	2.784	64	374093	140.665	ug/l	100
7) Trichlorofluoromethane	3.119	101	698515	143.732	ug/l	95
8) Diethyl Ether	3.528	74	240886	154.075	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	404514	145.184	ug/l	94
10) Methyl Iodide	4.088	142	566154	152.005	ug/l	91
11) Tert butyl alcohol	4.954	59	206853	507.967	ug/l	97
12) 1,1-Dichloroethene	3.869	96	405504	149.128	ug/l	84
13) Acrolein	3.723	56	148694	662.755	ug/l	98
14) Allyl chloride	4.472	41	646340	158.789	ug/l #	92
15) Acrylonitrile	5.161	53	598752	786.113	ug/l	98
16) Acetone	3.942	43	612698	827.520	ug/l	89
17) Carbon Disulfide	4.192	76	1289709	146.768	ug/l	100
18) Methyl Acetate	4.472	43	291021	153.564	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	1146983	161.135	ug/l	97
20) Methylene Chloride	4.710	84	454183	116.471	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	475466	149.746	ug/l	90
22) Diisopropyl ether	6.112	45	1419716	159.034	ug/l	95
23) Vinyl Acetate	6.058	43	4505203	833.139	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	819570	150.759	ug/l	99
25) 2-Butanone	6.984	43	871348	818.570	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	752411	145.809	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	540958	153.519	ug/l	90
28) Bromochloromethane	7.332	49	322587	186.656	ug/l	87
29) Tetrahydrofuran	7.344	42	511484	817.106	ug/l #	86
30) Chloroform	7.502	83	828082	147.598	ug/l	99
31) Cyclohexane	7.783	56	755728	144.826	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	758668	150.112	ug/l	96
36) 1,1-Dichloropropene	7.917	75	667989	153.541	ug/l	98
37) Ethyl Acetate	7.070	43	346059	162.096	ug/l #	95
38) Carbon Tetrachloride	7.899	117	690948	152.483	ug/l	99
39) Methylcyclohexane	9.179	83	850015	159.064	ug/l	92
40) Benzene	8.161	78	1910664	152.458	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	191509m	176.114	ug/l	
42) 1,2-Dichloroethane	8.234	62	537399	151.677	ug/l	92
43) Isopropyl Acetate	8.271	43	645485	167.051	ug/l #	90
44) Trichloroethene	8.935	130	518757	152.876	ug/l	96
45) 1,2-Dichloropropane	9.216	63	471310	156.000	ug/l	97
46) Dibromomethane	9.307	93	270676	156.632	ug/l	96
47) Bromodichloromethane	9.496	83	647803	155.332	ug/l	99
48) Methyl methacrylate	9.289	41	309998	170.811	ug/l #	85
49) 1,4-Dioxane	9.295	88	70589	3318.262	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	1754757	830.064	ug/l	88
52) Toluene	10.240	92	1261322	158.141	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	708371	164.059	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	796576	161.104	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	379045	156.320	ug/l	100
56) Ethyl methacrylate	10.508	69	551372	176.974	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	654251	158.698	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	1325491	961.803	ug/l	97
59) 2-Hexanone	10.831	43	1290937	881.702	ug/l	87
60) Dibromochloromethane	10.983	129	463460	159.413	ug/l	99
61) 1,2-Dibromoethane	11.087	107	364792	157.780	ug/l	100
64) Tetrachloroethene	10.721	164	490991	149.888	ug/l	98
65) Chlorobenzene	11.514	112	1295619	151.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	483029	154.462	ug/l	98
67) Ethyl Benzene	11.593	91	2437511	158.310	ug/l	98
68) m/p-Xylenes	11.703	106	1896000	314.650	ug/l	95
69) o-Xylene	12.026	106	902606	160.214	ug/l	94
70) Styrene	12.044	104	1549592	163.205	ug/l	96
71) Bromoform	12.209	173	298141	160.169	ug/l #	99
73) Isopropylbenzene	12.331	105	2353424	157.136	ug/l	100
74) N-amyl acetate	12.142	43	604652	175.664	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	430540	153.865	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	329838m	161.108	ug/l	
77) Bromobenzene	12.605	156	528684	153.878	ug/l	99
78) n-propylbenzene	12.672	91	2804114	153.736	ug/l	99
79) 2-Chlorotoluene	12.758	91	1580312	154.859	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1939034	153.073	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	166299	168.380	ug/l #	84
82) 4-Chlorotoluene	12.855	91	1641658	153.846	ug/l	100
83) tert-Butylbenzene	13.075	119	1681219	155.677	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	1920606	154.214	ug/l	98
85) sec-Butylbenzene	13.251	105	2478031	152.436	ug/l	100
86) p-Isopropyltoluene	13.367	119	2121597	155.557	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	1053148	151.022	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	1022583	148.091	ug/l	99
89) n-Butylbenzene	13.696	91	1949006	155.291	ug/l	98
90) Hexachloroethane	13.959	117	387341	148.477	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	920324	151.416	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	70305	156.250	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	570562	159.987	ug/l	99
94) Hexachlorobutadiene	15.111	225	318621	144.902	ug/l	99
95) Naphthalene	15.233	128	1185791	174.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	487629	160.398	ug/l	98

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

