

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007598.D
 Acq On : 23 Feb 2022 14:28
 Operator : SY/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 : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 23 15:13:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 15:09:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	54045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	85153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	85973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	42605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	108308	194.045	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 388.080%#			
35) Dibromofluoromethane	7.716	113	92178	173.515	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 347.020%#			
50) Toluene-d8	10.179	98	320626	173.461	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 346.920%#			
62) 4-Bromofluorobenzene	12.477	95	112934	169.979	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 339.960%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	88298	128.898	ug/l	100
3) Chloromethane	2.113	50	101691	166.613	ug/l	92
4) Vinyl Chloride	2.253	62	118796	183.480	ug/l	96
5) Bromomethane	2.631	94	69302	142.609	ug/l	96
6) Chloroethane	2.784	64	78407	191.422	ug/l	94
7) Trichlorofluoromethane	3.119	101	244527	174.790	ug/l	95
8) Diethyl Ether	3.528	74	63067	183.938	ug/l	58
9) 1,1,2-Trichlorotrifluo...	3.893	101	94831	146.685	ug/l	96
10) Methyl Iodide	4.089	142	135975	178.306	ug/l	96
11) Tert butyl alcohol	4.960	59	50733	980.955	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	87745	150.611	ug/l #	81
13) Acrolein	3.723	56	63079	1351.666	ug/l	96
14) Allyl chloride	4.479	41	83596	141.927	ug/l #	58
15) Acrylonitrile	5.155	53	106696	857.860	ug/l	98
16) Acetone	3.948	43	118258	896.772	ug/l	91
17) Carbon Disulfide	4.192	76	208311	138.762	ug/l	99
18) Methyl Acetate	4.473	43	45664	157.474	ug/l #	68
19) Methyl tert-butyl Ether	5.216	73	264930	168.608	ug/l #	87
20) Methylene Chloride	4.710	84	94752	143.330	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	85277	145.359	ug/l #	79
22) Diisopropyl ether	6.125	45	165148	138.942	ug/l #	78
23) Vinyl Acetate	6.058	43	690165	846.455	ug/l #	81
24) 1,1-Dichloroethane	6.015	63	132669	146.715	ug/l	97
25) 2-Butanone	6.984	43	128780	880.901	ug/l #	63
26) 2,2-Dichloropropane	6.984	77	157253	155.546	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	103655	155.528	ug/l	79
28) Bromochloromethane	7.332	49	49826	166.592	ug/l #	33
29) Tetrahydrofuran	7.344	42	71955	848.348	ug/l #	54
30) Chloroform	7.509	83	174176	155.886	ug/l	100
31) Cyclohexane	7.783	56	91700	115.806	ug/l #	72
32) 1,1,1-Trichloroethane	7.698	97	175261	154.413	ug/l	95
36) 1,1-Dichloropropene	7.917	75	106609	134.001	ug/l	93
37) Ethyl Acetate	7.070	43	56216	173.248	ug/l #	90
38) Carbon Tetrachloride	7.899	117	170560	155.154	ug/l	97
39) Methylcyclohexane	9.185	83	129898	128.945	ug/l #	80
40) Benzene	8.161	78	316265	146.897	ug/l	97

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41) Methacrylonitrile	7.320	41	28939m	168.345	ug/l	
42) 1,2-Dichloroethane	8.234	62	130232	173.626	ug/l	97
43) Isopropyl Acetate	8.271	43	116488	175.008	ug/l #	85
44) Trichloroethene	8.935	130	104448	144.514	ug/l	93
45) 1,2-Dichloropropane	9.216	63	69080	144.997	ug/l	97
46) Dibromomethane	9.307	93	63578	170.581	ug/l	99
47) Bromodichloromethane	9.496	83	141115	161.308	ug/l	98
48) Methyl methacrylate	9.295	41	48924	172.651	ug/l #	50
49) 1,4-Dioxane	9.295	88	17528	4094.630	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	301874	910.998	ug/l	91
52) Toluene	10.240	92	217058	147.201	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	142501	161.474	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	146268	156.866	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	80873	169.065	ug/l	98
56) Ethyl methacrylate	10.508	69	99662	171.034	ug/l #	77
57) 1,3-Dichloropropane	10.789	76	125577	164.592	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	264608	942.513	ug/l #	75
59) 2-Hexanone	10.831	43	217362	906.710	ug/l	90
60) Dibromochloromethane	10.984	129	117525	179.191	ug/l	100
61) 1,2-Dibromoethane	11.087	107	82677	169.985	ug/l	99
64) Tetrachloroethene	10.715	164	96861	133.960	ug/l	98
65) Chlorobenzene	11.514	112	268551	146.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	109699	150.351	ug/l	98
67) Ethyl Benzene	11.593	91	448320	139.735	ug/l	95
68) m/p-Xylenes	11.703	106	348444	282.025	ug/l	95
69) o-Xylene	12.026	106	169146	142.214	ug/l	96
70) Styrene	12.038	104	286518	144.659	ug/l	99
71) Bromoform	12.209	173	74311	161.541	ug/l #	99
73) Isopropylbenzene	12.325	105	430736	127.503	ug/l	99
74) N-amyl acetate	12.142	43	102278	160.337	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	88315	154.324	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	63725m	133.719	ug/l	
77) Bromobenzene	12.605	156	117804	145.780	ug/l	83
78) n-propylbenzene	12.666	91	500923	127.160	ug/l	96
79) 2-Chlorotoluene	12.752	91	286775	130.858	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	376513	132.691	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	30266	152.133	ug/l	96
82) 4-Chlorotoluene	12.855	91	295542	132.176	ug/l	95
83) tert-Butylbenzene	13.075	119	336461	132.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	380209	136.614	ug/l	100
85) sec-Butylbenzene	13.252	105	468594	128.160	ug/l	98
86) p-Isopropyltoluene	13.367	119	399086	128.145	ug/l	95
87) 1,3-Dichlorobenzene	13.361	146	214274	139.254	ug/l	99
88) 1,4-Dichlorobenzene	13.441	146	220015	145.402	ug/l	99
89) n-Butylbenzene	13.697	91	362150	128.113	ug/l	96
90) Hexachloroethane	13.959	117	86831	140.185	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	201991	147.387	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19939	178.095	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	144082	154.448	ug/l	99
94) Hexachlorobutadiene	15.111	225	75695	136.221	ug/l	98
95) Naphthalene	15.233	128	339157	176.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	130977	162.624	ug/l	98

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

