

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007141.D
 Acq On : 13 Jan 2022 13:36
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 14 05:28:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:26:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	136571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	242290	146.840	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 293.680%#			
35) Dibromofluoromethane	7.716	113	221554	142.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 285.320%#			
50) Toluene-d8	10.179	98	806602	140.856	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 281.720%#			
62) 4-Bromofluorobenzene	12.483	95	277831	134.789	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 269.580%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	85161	181.267	ug/l	98
3) Chloromethane	2.113	50	139484	141.253	ug/l	98
4) Vinyl Chloride	2.259	62	212876	147.957	ug/l	100
5) Bromomethane	2.655	94	117829	123.071	ug/l	100
6) Chloroethane	2.796	64	134574	152.224	ug/l	97
7) Trichlorofluoromethane	3.125	101	250305	145.382	ug/l	97
8) Diethyl Ether	3.527	74	131309	152.201	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	224307	148.079	ug/l	98
10) Methyl Iodide	4.088	142	332356	142.872	ug/l	98
11) Tert butyl alcohol	4.972	59	107938	819.985	ug/l	100
12) 1,1-Dichloroethene	3.869	96	226292	145.420	ug/l	98
13) Acrolein	3.728	56	25056	579.311	ug/l	99
14) Allyl chloride	4.478	41	361030	151.010	ug/l	98
15) Acrylonitrile	5.161	53	332503	837.081	ug/l	98
16) Acetone	3.948	43	369802	1122.137	ug/l	98
17) Carbon Disulfide	4.192	76	623008	140.590	ug/l	100
18) Methyl Acetate	4.472	43	223374	156.351	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	430493	139.135	ug/l	98
20) Methylene Chloride	4.716	84	241575	131.328	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	243419	144.600	ug/l	97
22) Diisopropyl ether	6.118	45	714467	146.687	ug/l	100
23) Vinyl Acetate	6.057	43	2314685	818.922	ug/l	100
24) 1,1-Dichloroethane	6.015	63	447482	151.047	ug/l	99
25) 2-Butanone	6.984	43	473778	965.809	ug/l	99
26) 2,2-Dichloropropane	6.984	77	298923	131.329	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	278026	146.527	ug/l	98
28) Bromochloromethane	7.331	49	182391	166.505	ug/l	98
29) Tetrahydrofuran	7.350	42	289214	845.269	ug/l	100
30) Chloroform	7.508	83	467688	150.158	ug/l	97
31) Cyclohexane	7.783	56	387932	138.096	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	391131	144.869	ug/l	99
36) 1,1-Dichloropropene	7.917	75	362136	148.719	ug/l	100
37) Ethyl Acetate	7.075	43	205230	169.702	ug/l	98
38) Carbon Tetrachloride	7.898	117	379495	148.540	ug/l	98
39) Methylcyclohexane	9.185	83	445938	146.711	ug/l	98
40) Benzene	8.161	78	972254	147.852	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	104505m	152.956	ug/l	
42) 1,2-Dichloroethane	8.240	62	314524	155.730	ug/l	99
43) Isopropyl Acetate	8.270	43	399828	170.509	ug/l	98
44) Trichloroethene	8.941	130	263780	145.086	ug/l	97
45) 1,2-Dichloropropane	9.215	63	250209	152.927	ug/l	96
46) Dibromomethane	9.307	93	150786	154.823	ug/l	98
47) Bromodichloromethane	9.496	83	370520	152.330	ug/l	99
48) Methyl methacrylate	9.295	41	177806	169.528	ug/l	97
49) 1,4-Dioxane	9.313	88	36949	3632.565	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	1020893	881.496	ug/l	98
52) Toluene	10.246	92	615675	146.583	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	395747	155.391	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	435519	151.864	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	205257	154.963	ug/l	97
56) Ethyl methacrylate	10.508	69	305486	164.558	ug/l	98
57) 1,3-Dichloropropane	10.788	76	356111	153.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	634183	748.294	ug/l	99
59) 2-Hexanone	10.831	43	718091	949.432	ug/l	97
60) Dibromochloromethane	10.983	129	254303	154.162	ug/l	100
61) 1,2-Dibromoethane	11.093	107	204051	153.932	ug/l	99
64) Tetrachloroethene	10.721	164	214703	147.303	ug/l	96
65) Chlorobenzene	11.514	112	645588	146.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	245255	149.396	ug/l	100
67) Ethyl Benzene	11.593	91	1220498	147.250	ug/l	99
68) m/p-Xylenes	11.703	106	905517	291.928	ug/l	99
69) o-Xylene	12.032	106	426672	147.065	ug/l	99
70) Styrene	12.044	104	725901	147.899	ug/l	100
71) Bromoform	12.209	173	149227	158.893	ug/l #	98
73) Isopropylbenzene	12.331	105	1112091	147.285	ug/l	100
74) N-amyl acetate	12.142	43	325747	168.050	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	234178	162.244	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	146286m	141.205	ug/l	
77) Bromobenzene	12.611	156	247379	148.779	ug/l	98
78) n-propylbenzene	12.672	91	1368420	148.337	ug/l	100
79) 2-Chlorotoluene	12.757	91	770523	146.903	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	913597	147.280	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	87582	161.607	ug/l #	98
82) 4-Chlorotoluene	12.855	91	785508	145.012	ug/l	99
83) tert-Butylbenzene	13.074	119	778502	142.782	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	907593	148.542	ug/l	99
85) sec-Butylbenzene	13.257	105	1174505	147.217	ug/l	100
86) p-Isopropyltoluene	13.373	119	968698	147.984	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	474126	147.506	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	471097	146.835	ug/l	98
89) n-Butylbenzene	13.696	91	951101	148.969	ug/l	99
90) Hexachloroethane	13.964	117	192605	148.699	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	424569	150.040	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	42303	175.644	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	266694	158.421	ug/l	99
94) Hexachlorobutadiene	15.111	225	128778	148.368	ug/l	97
95) Naphthalene	15.239	128	616362	174.885	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	236783	167.010	ug/l	99

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

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