

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005905.D
 Acq On : 31 Aug 2021 11:48
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:41:39 PM

Quant Time: Sep 01 05:15:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:12:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	289402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	419241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	387440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	199400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	434440	148.966	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 297.940%#	
35) Dibromofluoromethane	7.722	113	354507	150.569	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 301.140%#	
50) Toluene-d8	10.185	98	1508690	152.682	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 305.360%#	
62) 4-Bromofluorobenzene	12.483	95	497077	149.815	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 299.640%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	356587	137.996	ug/l	99
3) Chloromethane	2.113	50	416451	152.165	ug/l	99
4) Vinyl Chloride	2.253	62	523824	147.252	ug/l	100
5) Bromomethane	2.631	94	337589	140.656	ug/l	96
6) Chloroethane	2.790	64	294521	138.459	ug/l	99
7) Trichlorofluoromethane	3.125	101	619817	136.403	ug/l	97
8) Diethyl Ether	3.534	74	222970	144.149	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	338903	138.509	ug/l	99
10) Methyl Iodide	4.095	142	465364	151.342	ug/l	98
11) Tert butyl alcohol	4.966	59	272938	475.929	ug/l	98
12) 1,1-Dichloroethene	3.875	96	350546	141.107	ug/l	96
13) Acrolein	3.735	56	63999	539.259	ug/l	100
14) Allyl chloride	4.485	41	603476	144.442	ug/l	99
15) Acrylonitrile	5.174	53	557292	712.422	ug/l	100
16) Acetone	3.954	43	473738	637.062	ug/l	98
17) Carbon Disulfide	4.198	76	1088829	137.219	ug/l	99
18) Methyl Acetate	4.485	43	283937	137.526	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	1095685	146.913	ug/l	97
20) Methylene Chloride	4.723	84	391846	119.046	ug/l	99
21) trans-1,2-Dichloroethene	5.229	96	393844	142.085	ug/l	98
22) Diisopropyl ether	6.125	45	1226970	144.540	ug/l	96
23) Vinyl Acetate	6.070	43	3806369	738.894	ug/l	100
24) 1,1-Dichloroethane	6.027	63	689593	142.412	ug/l	100
25) 2-Butanone	6.997	43	736215	700.802	ug/l	100
26) 2,2-Dichloropropane	6.990	77	626288	138.241	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	452407	145.250	ug/l	100
28) Bromochloromethane	7.344	49	304254	152.419	ug/l	100
29) Tetrahydrofuran	7.356	42	485602	713.406	ug/l	100
30) Chloroform	7.515	83	700654	141.006	ug/l	100
31) Cyclohexane	7.789	56	661681	134.517	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	653949	141.347	ug/l	99
36) 1,1-Dichloropropene	7.923	75	559150	141.655	ug/l	100
37) Ethyl Acetate	7.082	43	322386	136.377	ug/l	99
38) Carbon Tetrachloride	7.905	117	608226	142.159	ug/l	99
39) Methylcyclohexane	9.185	83	725137	145.040	ug/l	99
40) Benzene	8.167	78	1608660	144.248	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	196579m	145.410	ug/l	
42) 1,2-Dichloroethane	8.240	62	509053	140.527	ug/l	99
43) Isopropyl Acetate	8.277	43	627595	146.167	ug/l	100
44) Trichloroethene	8.941	130	442675	141.545	ug/l	99
45) 1,2-Dichloropropane	9.222	63	396516	144.908	ug/l	100
46) Dibromomethane	9.307	93	223162	141.716	ug/l	99
47) Bromodichloromethane	9.502	83	551106	144.007	ug/l	99
48) Methyl methacrylate	9.295	41	291489	147.705	ug/l	99
49) 1,4-Dioxane	9.301	88	61666	2843.466	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	1651071	713.679	ug/l	99
52) Toluene	10.246	92	1041992	144.977	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	621359	146.430	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	675771	145.145	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	318365	141.152	ug/l	99
56) Ethyl methacrylate	10.514	69	493309	151.102	ug/l	99
57) 1,3-Dichloropropane	10.795	76	563783	144.180	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	1290657	765.902	ug/l	100
59) 2-Hexanone	10.837	43	1151236	712.291	ug/l	98
60) Dibromochloromethane	10.990	129	402675	145.417	ug/l	100
61) 1,2-Dibromoethane	11.093	107	307696	143.214	ug/l	99
64) Tetrachloroethene	10.721	164	431083	135.890	ug/l	99
65) Chlorobenzene	11.520	112	1133146	145.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	430080	147.783	ug/l	99
67) Ethyl Benzene	11.593	91	2065507	148.629	ug/l	99
68) m/p-Xylenes	11.703	106	1631983	297.803	ug/l	99
69) o-Xylene	12.032	106	770457	149.750	ug/l	99
70) Styrene	12.044	104	1315709	149.923	ug/l	100
71) Bromoform	12.209	173	277293	144.522	ug/l #	99
73) Isopropylbenzene	12.331	105	1969209	148.166	ug/l	100
74) N-amyl acetate	12.142	43	562515	147.521	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	369067	145.917	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	246132m	171.060	ug/l	
77) Bromobenzene	12.611	156	491010	146.676	ug/l	99
78) n-propylbenzene	12.672	91	2322981	146.248	ug/l	99
79) 2-Chlorotoluene	12.758	91	1305326	147.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1624742	145.911	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	144185	146.925	ug/l	99
82) 4-Chlorotoluene	12.855	91	1357966	146.377	ug/l	98
83) tert-Butylbenzene	13.075	119	1437074	147.650	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1642505	148.706	ug/l	100
85) sec-Butylbenzene	13.251	105	2077396	144.818	ug/l	100
86) p-Isopropyltoluene	13.367	119	1839442	147.984	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	963793	147.968	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	920427	141.467	ug/l	100
89) n-Butylbenzene	13.697	91	1616252	145.329	ug/l	99
90) Hexachloroethane	13.959	117	325645	144.363	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	828348	143.423	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	68950	145.350	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	581818	149.239	ug/l	99
94) Hexachlorobutadiene	15.111	225	354664	141.225	ug/l	99
95) Naphthalene	15.239	128	1155450	154.268	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	511663	150.327	ug/l	100

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

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