

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093021\
 Data File : VY006242.D
 Acq On : 30 Sep 2021 16:05
 Operator : SY/MD
 Sample : M3990-07MSD
 Misc : 6.73G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-836-K1-SO-1-1.5-092921MSD

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:02:13 AM

Quant Time: Oct 01 06:27:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	14449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	22876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8825	57.066	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.140%
35) Dibromofluoromethane	7.728	113	5974	48.880	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.185	98	24132	47.179	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.483	95	7255	41.752	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7687	52.449	ug/l	93
3) Chloromethane	2.119	50	10346	60.606	ug/l	99
4) Vinyl Chloride	2.259	62	11300	59.727	ug/l	98
5) Bromomethane	2.662	94	5902	48.001	ug/l	99
6) Chloroethane	2.808	64	6691	60.106	ug/l	96
7) Trichlorofluoromethane	3.137	101	14387	57.732	ug/l	88
8) Diethyl Ether	3.540	74	4614	56.056	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	7132	53.611	ug/l	97
10) Methyl Iodide	4.101	142	8416	58.049	ug/l	94
11) Tert butyl alcohol	4.954	59	5765	426.163	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	7099	52.458	ug/l	95
13) Acrolein	3.735	56	2101	221.414	ug/l	96
14) Allyl chloride	4.485	41	12553	48.235	ug/l	97
15) Acrylonitrile	5.173	53	16188	373.925	ug/l	97
16) Acetone	3.954	43	15695	363.370	ug/l #	87
17) Carbon Disulfide	4.198	76	23759	52.494	ug/l	97
18) Methyl Acetate	4.485	43	15860	108.894	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	23548	59.585	ug/l	95
20) Methylene Chloride	4.722	84	9436	64.457	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	8042	53.601	ug/l	97
22) Diisopropyl ether	6.125	45	25228	49.000	ug/l	95
23) Vinyl Acetate	6.070	43	43812m	141.967	ug/l	
24) 1,1-Dichloroethane	6.027	63	14939	54.048	ug/l	98
25) 2-Butanone	6.990	43	20505	340.803	ug/l #	83
26) 2,2-Dichloropropane	6.990	77	13669	54.078	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	9196	54.728	ug/l	93
28) Bromochloromethane	7.338	49	6174	53.646	ug/l	92
29) Tetrahydrofuran	7.362	42	13576	357.223	ug/l	92
30) Chloroform	7.515	83	14990	54.366	ug/l	94
31) Cyclohexane	7.789	56	13327	45.487	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	14268	56.043	ug/l	98
36) 1,1-Dichloropropene	7.923	75	11617	51.041	ug/l	99
37) Ethyl Acetate	7.082	43	8644	65.193	ug/l	98
38) Carbon Tetrachloride	7.911	117	13275	55.235	ug/l	98
39) Methylcyclohexane	9.185	83	12593	44.048	ug/l	96
40) Benzene	8.167	78	33833	52.395	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	5307m	61.704	ug/l	
42) 1,2-Dichloroethane	8.246	62	12394	59.571	ug/l	96
43) Isopropyl Acetate	8.277	43	15478	60.863	ug/l #	95
44) Trichloroethene	8.941	130	9408	56.412	ug/l	99
45) 1,2-Dichloropropane	9.222	63	7963	50.091	ug/l	97
46) Dibromomethane	9.307	93	4816	56.895	ug/l	95
47) Bromodichloromethane	9.502	83	11754	53.929	ug/l	93
48) Methyl methacrylate	9.295	41	6997	57.352	ug/l	95
49) 1,4-Dioxane	9.295	88	1917	1735.798	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	41466	314.028	ug/l	98
52) Toluene	10.246	92	20105	50.196	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	11237	47.286	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	12755	48.824	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	6999	58.762	ug/l	92
56) Ethyl methacrylate	10.514	69	9380	51.812	ug/l	91
57) 1,3-Dichloropropane	10.794	76	11736	54.454	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	18262	205.877	ug/l	99
59) 2-Hexanone	10.837	43	27607	293.546	ug/l	98
60) Dibromochloromethane	10.983	129	8067	55.747	ug/l	95
61) 1,2-Dibromoethane	11.093	107	6134	54.392	ug/l	98
64) Tetrachloroethene	10.721	164	10305	61.808	ug/l	95
65) Chlorobenzene	11.520	112	19645	47.894	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	7770	51.402	ug/l	97
67) Ethyl Benzene	11.593	91	35955	46.503	ug/l	98
68) m/p-Xylenes	11.703	106	27767	94.638	ug/l	95
69) o-Xylene	12.032	106	13346	48.162	ug/l	90
70) Styrene	12.044	104	20159	42.838	ug/l	96
71) Bromoform	12.209	173	5148	54.763	ug/l #	99
73) Isopropylbenzene	12.331	105	34461	55.714	ug/l	100
74) N-amyl acetate	12.142	43	7899	41.144	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	6649	59.521	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	6505m	77.507	ug/l	
77) Bromobenzene	12.611	156	8168	56.322	ug/l	95
78) n-propylbenzene	12.672	91	39471	51.842	ug/l	98
79) 2-Chlorotoluene	12.757	91	22548	53.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	26017	50.303	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	1539	36.035	ug/l	99
82) 4-Chlorotoluene	12.855	91	22593	51.848	ug/l	99
83) tert-Butylbenzene	13.075	119	23827	53.886	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	25599	50.125	ug/l	100
85) sec-Butylbenzene	13.251	105	32921	49.266	ug/l	96
86) p-Isopropyltoluene	13.367	119	26556	47.095	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	14261	49.634	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	13549	47.825	ug/l	99
89) n-Butylbenzene	13.696	91	21863	40.804	ug/l	97
90) Hexachloroethane	13.958	117	3914	38.221	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	12362	49.202	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1026	48.210	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	4237	25.520	ug/l	98
94) Hexachlorobutadiene	15.111	225	2866	26.461	ug/l	94
95) Naphthalene	15.239	128	7934	24.053	ug/l	96
96) 1,2,3-Trichlorobenzene	15.428	180	3105	21.101	ug/l	99

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

