

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101521\
 Data File : VY006397.D
 Acq On : 15 Oct 2021 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:50:21 PM

Quant Time: Oct 18 04:43:39 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	147326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	214746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	200438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71556	45.380	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.760%
35) Dibromofluoromethane	7.722	113	56020	48.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.660%
50) Toluene-d8	10.185	98	232522	48.425	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.483	95	80048	49.073	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	61282	41.008	ug/l	100
3) Chloromethane	2.119	50	80165	46.056	ug/l	96
4) Vinyl Chloride	2.259	62	95342	49.424	ug/l	99
5) Bromomethane	2.656	94	61362	48.945	ug/l	99
6) Chloroethane	2.802	64	57823	50.943	ug/l	99
7) Trichlorofluoromethane	3.131	101	127314	50.105	ug/l	94
8) Diethyl Ether	3.540	74	40225	47.929	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.911	101	65550	48.326	ug/l	97
10) Methyl Iodide	4.100	142	68200	46.135	ug/l	96
11) Tert butyl alcohol	4.954	59	33948	246.121	ug/l #	91
12) 1,1-Dichloroethene	3.881	96	66993	48.551	ug/l	95
13) Acrolein	3.735	56	17584	185.053	ug/l	100
14) Allyl chloride	4.491	41	129314	48.732	ug/l	98
15) Acrylonitrile	5.167	53	109633	248.366	ug/l	97
16) Acetone	3.954	43	125667	285.343	ug/l	96
17) Carbon Disulfide	4.204	76	203378	44.070	ug/l	99
18) Methyl Acetate	4.485	43	70929	47.762	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	199085	49.406	ug/l	100
20) Methylene Chloride	4.722	84	80694	53.408	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	74516	48.710	ug/l	96
22) Diisopropyl ether	6.124	45	259293	49.392	ug/l	96
23) Vinyl Acetate	6.064	43	767209	243.819	ug/l	99
24) 1,1-Dichloroethane	6.027	63	139490	49.495	ug/l	98
25) 2-Butanone	6.990	43	158305	258.045	ug/l	93
26) 2,2-Dichloropropane	6.990	77	135950	52.750	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	85668	50.002	ug/l	97
28) Bromochloromethane	7.338	49	60199	51.301	ug/l #	94
29) Tetrahydrofuran	7.350	42	91645	236.502	ug/l	95
30) Chloroform	7.514	83	143151	50.919	ug/l	98
31) Cyclohexane	7.789	56	133222	44.595	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	135976	52.382	ug/l	99
36) 1,1-Dichloropropene	7.923	75	109912	51.443	ug/l	98
37) Ethyl Acetate	7.076	43	60427	48.548	ug/l	98
38) Carbon Tetrachloride	7.905	117	123281	54.643	ug/l	98
39) Methylcyclohexane	9.185	83	135157	50.361	ug/l	98
40) Benzene	8.167	78	316078	52.143	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	35825m	44.371	ug/l	
42) 1,2-Dichloroethane	8.240	62	104751	53.633	ug/l	98
43) Isopropyl Acetate	8.277	43	120573	50.506	ug/l	97
44) Trichloroethene	8.947	130	85223	54.436	ug/l	97
45) 1,2-Dichloropropane	9.221	63	76643	51.359	ug/l	97
46) Dibromomethane	9.307	93	40393	50.833	ug/l	94
47) Bromodichloromethane	9.502	83	110316	53.918	ug/l	100
48) Methyl methacrylate	9.295	41	56839	49.629	ug/l	96
49) 1,4-Dioxane	9.301	88	11019	1062.856	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	320660	258.688	ug/l	97
52) Toluene	10.246	92	203346	54.083	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	117798	52.805	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	128309	52.320	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	58658	52.462	ug/l	98
56) Ethyl methacrylate	10.514	69	88184	51.889	ug/l	95
57) 1,3-Dichloropropane	10.794	76	104743	51.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	207637	249.355	ug/l	97
59) 2-Hexanone	10.837	43	239179	270.916	ug/l	97
60) Dibromochloromethane	10.989	129	73415	54.044	ug/l	98
61) 1,2-Dibromoethane	11.093	107	54910	51.867	ug/l	98
64) Tetrachloroethene	10.721	164	95253	59.008	ug/l	96
65) Chlorobenzene	11.520	112	210935	53.114	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	78810	53.849	ug/l	99
67) Ethyl Benzene	11.593	91	398586	53.244	ug/l	98
68) m/p-Xylenes	11.703	106	305825	107.656	ug/l	98
69) o-Xylene	12.032	106	146841	54.731	ug/l	95
70) Styrene	12.044	104	249763	54.818	ug/l	99
71) Bromoform	12.209	173	49169	54.022	ug/l #	98
73) Isopropylbenzene	12.331	105	388773	52.180	ug/l	100
74) N-amyl acetate	12.142	43	114439	49.486	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	62908	46.751	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	46252m	45.750	ug/l	
77) Bromobenzene	12.611	156	89574	51.276	ug/l	95
78) n-propylbenzene	12.672	91	479837	52.320	ug/l	99
79) 2-Chlorotoluene	12.757	91	261988	51.623	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	325126	52.187	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	25222	49.027	ug/l	98
82) 4-Chlorotoluene	12.855	91	273896	52.181	ug/l	99
83) tert-Butylbenzene	13.074	119	290923	54.620	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	323829	52.640	ug/l	99
85) sec-Butylbenzene	13.257	105	429024	53.300	ug/l	99
86) p-Isopropyltoluene	13.367	119	364714	53.695	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	184377	53.272	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	182488	53.475	ug/l	98
89) n-Butylbenzene	13.696	91	342382	53.049	ug/l	99
90) Hexachloroethane	13.965	117	65699	53.262	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	162854	53.810	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12313	48.031	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	106831	53.419	ug/l	99
94) Hexachlorobutadiene	15.111	225	69935	53.603	ug/l	97
95) Naphthalene	15.239	128	200680	50.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	93980	53.020	ug/l	99

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

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