

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101521\
 Data File : VY006414.D
 Acq On : 15 Oct 2021 18:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:50:26 PM

Quant Time: Oct 18 04:46:32 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	124363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	192125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	181734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	98288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	70213	52.750	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.500%
35) Dibromofluoromethane	7.722	113	51237	49.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.179	98	204638	47.636	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.280%
62) 4-Bromofluorobenzene	12.483	95	73587	50.424	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54163	42.937	ug/l	99
3) Chloromethane	2.113	50	77005	52.410	ug/l	97
4) Vinyl Chloride	2.253	62	88714	54.480	ug/l	98
5) Bromomethane	2.650	94	63449	59.954	ug/l	99
6) Chloroethane	2.796	64	56674	59.150	ug/l	99
7) Trichlorofluoromethane	3.131	101	120970	56.399	ug/l	96
8) Diethyl Ether	3.534	74	44938	63.432	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	64213	56.081	ug/l	98
10) Methyl Iodide	4.101	142	57964	46.451	ug/l	96
11) Tert butyl alcohol	4.960	59	45653	392.096	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	64992	55.798	ug/l	95
13) Acrolein	3.735	56	25542	305.116	ug/l	99
14) Allyl chloride	4.485	41	137053	61.185	ug/l	97
15) Acrylonitrile	5.168	53	133969	359.536	ug/l	100
16) Acetone	3.954	43	120514	324.169	ug/l	100
17) Carbon Disulfide	4.198	76	200855	51.560	ug/l	99
18) Methyl Acetate	4.479	43	91779	73.214	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	229934	67.598	ug/l	99
20) Methylene Chloride	4.723	84	89686	71.601	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	75718	58.635	ug/l	96
22) Diisopropyl ether	6.125	45	249210	56.237	ug/l	97
23) Vinyl Acetate	6.064	43	780761	293.941	ug/l	99
24) 1,1-Dichloroethane	6.027	63	129420	54.401	ug/l	98
25) 2-Butanone	6.990	43	157194	303.547	ug/l	96
26) 2,2-Dichloropropane	6.984	77	110119	50.617	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	78037	53.958	ug/l	96
28) Bromochloromethane	7.338	49	55841	56.373	ug/l #	93
29) Tetrahydrofuran	7.350	42	103634	316.822	ug/l	96
30) Chloroform	7.509	83	133413	56.217	ug/l	95
31) Cyclohexane	7.789	56	115098	45.642	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	121042	55.238	ug/l	99
36) 1,1-Dichloropropene	7.923	75	96791	50.635	ug/l	100
37) Ethyl Acetate	7.082	43	68538	61.548	ug/l	99
38) Carbon Tetrachloride	7.905	117	107613	53.314	ug/l	99
39) Methylcyclohexane	9.185	83	116820	48.653	ug/l	97
40) Benzene	8.167	78	287120	52.943	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	38486m	53.279	ug/l	
42) 1,2-Dichloroethane	8.240	62	103482	59.222	ug/l	98
43) Isopropyl Acetate	8.277	43	131602	61.617	ug/l	98
44) Trichloroethene	8.941	130	76676	54.743	ug/l	100
45) 1,2-Dichloropropane	9.222	63	71246	53.363	ug/l	95
46) Dibromomethane	9.307	93	41588	58.499	ug/l	99
47) Bromodichloromethane	9.496	83	105475	57.622	ug/l	97
48) Methyl methacrylate	9.295	41	61008	59.541	ug/l	96
49) 1,4-Dioxane	9.301	88	11870	1279.747	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	356377	321.353	ug/l	97
52) Toluene	10.246	92	182849	54.357	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	112232	56.234	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	121009	55.153	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	58048	58.029	ug/l	97
56) Ethyl methacrylate	10.508	69	91894	60.439	ug/l	95
57) 1,3-Dichloropropane	10.789	76	102855	56.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	209266	280.901	ug/l	98
59) 2-Hexanone	10.831	43	256688	324.982	ug/l	99
60) Dibromochloromethane	10.984	129	72154	59.370	ug/l	100
61) 1,2-Dibromoethane	11.087	107	54957	58.024	ug/l	99
64) Tetrachloroethene	10.721	164	89373	61.064	ug/l	97
65) Chlorobenzene	11.514	112	194740	54.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	75068	56.571	ug/l	99
67) Ethyl Benzene	11.593	91	360881	53.169	ug/l	98
68) m/p-Xylenes	11.703	106	276244	107.252	ug/l	98
69) o-Xylene	12.032	106	134222	55.177	ug/l	96
70) Styrene	12.044	104	231145	55.953	ug/l	99
71) Bromoform	12.209	173	50060	60.662	ug/l #	100
73) Isopropylbenzene	12.331	105	353062	50.148	ug/l	100
74) N-amyl acetate	12.142	43	123055	56.312	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	64031	50.358	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	46159m	48.318	ug/l	
77) Bromobenzene	12.611	156	86291	52.275	ug/l	96
78) n-propylbenzene	12.672	91	428163	49.405	ug/l	99
79) 2-Chlorotoluene	12.758	91	239932	50.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	298587	50.719	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	26188	53.871	ug/l	97
82) 4-Chlorotoluene	12.855	91	254933	51.398	ug/l	99
83) tert-Butylbenzene	13.075	119	260108	51.680	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	298113	51.283	ug/l	99
85) sec-Butylbenzene	13.251	105	385303	50.657	ug/l	100
86) p-Isopropyltoluene	13.367	119	328538	51.187	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	167323	51.161	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	167329	51.889	ug/l	98
89) n-Butylbenzene	13.697	91	300548	49.280	ug/l	99
90) Hexachloroethane	13.959	117	59147	50.743	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	153670	53.734	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13914	57.438	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	96752	51.197	ug/l	99
94) Hexachlorobutadiene	15.111	225	63376	51.406	ug/l	100
95) Naphthalene	15.233	128	207621	55.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	89356	53.349	ug/l	99

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

