

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101321\
 Data File : VY006379.D
 Acq On : 13 Oct 2021 10:39
 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 5:21:29 PM

Quant Time: Oct 14 07:03:58 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	158234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	231403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	213285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71752	42.367	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.740%		
35) Dibromofluoromethane	7.722	113	56427	45.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.280%		
50) Toluene-d8	10.185	98	232376	44.911	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.820%		
62) 4-Bromofluorobenzene	12.483	95	80042	45.537	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	69917	43.561	ug/l	94
3) Chloromethane	2.119	50	89329	47.783	ug/l	98
4) Vinyl Chloride	2.259	62	106015	51.168	ug/l	99
5) Bromomethane	2.656	94	70544	52.390	ug/l	94
6) Chloroethane	2.802	64	63995	52.494	ug/l	97
7) Trichlorofluoromethane	3.137	101	139261	51.029	ug/l	96
8) Diethyl Ether	3.540	74	43440	48.192	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.912	101	73299	50.313	ug/l	98
10) Methyl Iodide	4.101	142	67888	42.759	ug/l	96
11) Tert butyl alcohol	4.966	59	32256	217.733	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	72612	48.996	ug/l	98
13) Acrolein	3.735	56	21307	206.407	ug/l	99
14) Allyl chloride	4.491	41	140837	49.416	ug/l	98
15) Acrylonitrile	5.173	53	111575	235.340	ug/l	99
16) Acetone	3.954	43	135258	285.949	ug/l	97
17) Carbon Disulfide	4.198	76	228375	46.075	ug/l	99
18) Methyl Acetate	4.485	43	73221	45.907	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	212092	49.005	ug/l	98
20) Methylene Chloride	4.722	84	79866	48.898	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	82673	50.317	ug/l	95
22) Diisopropyl ether	6.125	45	279427	49.558	ug/l	95
23) Vinyl Acetate	6.064	43	811988	240.261	ug/l	98
24) 1,1-Dichloroethane	6.027	63	151026	49.894	ug/l	98
25) 2-Butanone	6.990	43	161808	245.573	ug/l	92
26) 2,2-Dichloropropane	6.984	77	148564	53.671	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	92680	50.365	ug/l	97
28) Bromochloromethane	7.338	49	57850	45.900	ug/l #	16
29) Tetrahydrofuran	7.350	42	93814	225.410	ug/l	95
30) Chloroform	7.515	83	156105	51.699	ug/l	99
31) Cyclohexane	7.789	56	147202	45.878	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	147946	53.064	ug/l	99
36) 1,1-Dichloropropene	7.923	75	121082	52.591	ug/l	99
37) Ethyl Acetate	7.082	43	64120	47.807	ug/l	99
38) Carbon Tetrachloride	7.905	117	134415	55.289	ug/l	96
39) Methylcyclohexane	9.185	83	152091	52.591	ug/l	97
40) Benzene	8.167	78	345332	52.868	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	37240m	42.804	ug/l	
42) 1,2-Dichloroethane	8.240	62	113495	53.927	ug/l	98
43) Isopropyl Acetate	8.277	43	124150	48.261	ug/l	95
44) Trichloroethene	8.941	130	92518	54.841	ug/l	97
45) 1,2-Dichloropropane	9.222	63	82384	51.232	ug/l	95
46) Dibromomethane	9.307	93	44011	51.399	ug/l	95
47) Bromodichloromethane	9.502	83	119088	54.015	ug/l	100
48) Methyl methacrylate	9.295	41	61453	49.796	ug/l	96
49) 1,4-Dioxane	9.301	88	10943	979.546	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	332206	248.711	ug/l	97
52) Toluene	10.246	92	222063	54.809	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	126389	52.578	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	137757	52.129	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	62720	52.057	ug/l	99
56) Ethyl methacrylate	10.514	69	92574	50.551	ug/l	94
57) 1,3-Dichloropropane	10.794	76	111770	51.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	201939	225.056	ug/l	97
59) 2-Hexanone	10.837	43	251808	264.690	ug/l	97
60) Dibromochloromethane	10.990	129	79263	54.149	ug/l	99
61) 1,2-Dibromoethane	11.093	107	58744	51.495	ug/l	98
64) Tetrachloroethene	10.721	164	105514	61.427	ug/l	98
65) Chlorobenzene	11.520	112	230438	54.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	87252	56.026	ug/l	98
67) Ethyl Benzene	11.593	91	438024	54.988	ug/l	99
68) m/p-Xylenes	11.703	106	337323	111.592	ug/l	97
69) o-Xylene	12.032	106	157581	55.196	ug/l	98
70) Styrene	12.044	104	271685	56.037	ug/l	99
71) Bromoform	12.209	173	51353	53.023	ug/l #	100
73) Isopropylbenzene	12.331	105	428988	53.196	ug/l	100
74) N-amyl acetate	12.148	43	119080	47.574	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	65020	44.643	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	50157m	45.837	ug/l	
77) Bromobenzene	12.611	156	98767	52.236	ug/l	94
78) n-propylbenzene	12.672	91	522874	52.673	ug/l	99
79) 2-Chlorotoluene	12.757	91	287613	52.359	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	360353	53.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	26720	47.986	ug/l	95
82) 4-Chlorotoluene	12.855	91	299376	52.695	ug/l	100
83) tert-Butylbenzene	13.075	119	319753	55.464	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	356120	53.484	ug/l	98
85) sec-Butylbenzene	13.257	105	474084	54.416	ug/l	99
86) p-Isopropyltoluene	13.373	119	404606	55.035	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	201801	53.869	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	196350	53.158	ug/l	99
89) n-Butylbenzene	13.696	91	377886	54.094	ug/l	99
90) Hexachloroethane	13.965	117	72000	53.928	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	173391	52.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12642	45.561	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	115925	53.554	ug/l	100
94) Hexachlorobutadiene	15.111	225	78593	55.655	ug/l	99
95) Naphthalene	15.239	128	211195	49.107	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	99977	52.111	ug/l	100

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

