

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041621\
 Data File : VY004458.D
 Acq On : 16 Apr 2021 10:01
 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
 4/19/2021 3:02:48 PM

Quant Time: Apr 17 00:50:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	194796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	314724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	284566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132957	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	112200	51.84	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.68%			
35) Dibromofluoromethane	7.728	113	87323	50.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.00%			
50) Toluene-d8	10.185	98	387862	52.21	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.42%			
62) 4-Bromofluorobenzene	12.483	95	130608	51.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.62%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	93421	51.76	ug/l	98
3) Chloromethane	2.119	50	127461	48.84	ug/l	98
4) Vinyl Chloride	2.260	62	155581	56.45	ug/l	98
5) Bromomethane	2.656	94	66618	49.54	ug/l	95
6) Chloroethane	2.802	64	83743	50.68	ug/l	99
7) Trichlorofluoromethane	3.137	101	172048	49.91	ug/l	98
8) Diethyl Ether	3.540	74	60337	51.79	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	98830	51.69	ug/l	99
10) Methyl Iodide	4.101	142	107503	46.98	ug/l	100
11) Tert butyl alcohol	4.979	59	57056	267.50	ug/l	99
12) 1,1-Dichloroethene	3.881	96	96244	50.90	ug/l	96
13) Acrolein	3.741	56	69157	291.67	ug/l	99
14) Allyl chloride	4.491	41	190094	52.56	ug/l	98
15) Acrylonitrile	5.180	53	171294	274.04	ug/l	99
16) Acetone	3.960	43	102901	221.84	ug/l	99
17) Carbon Disulfide	4.204	76	292845	50.30	ug/l	100
18) Methyl Acetate	4.491	43	79775	52.92	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	297090	52.29	ug/l	98
20) Methylene Chloride	4.729	84	106780	51.08	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	109387	51.13	ug/l	96
22) Diisopropyl ether	6.131	45	404914	52.97	ug/l	98
23) Vinyl Acetate	6.070	43	1399412	268.93	ug/l	98
24) 1,1-Dichloroethane	6.027	63	203117	52.01	ug/l	99
25) 2-Butanone	6.997	43	207719	251.95	ug/l	95
26) 2,2-Dichloropropane	6.990	77	180890	51.62	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	122399	51.13	ug/l	98
28) Bromochloromethane	7.344	49	102454	57.73	ug/l	97
29) Tetrahydrofuran	7.356	42	163024	276.77	ug/l	99
30) Chloroform	7.515	83	195277	50.89	ug/l	98
31) Cyclohexane	7.789	56	199331	50.24	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	175549	50.42	ug/l	100
36) 1,1-Dichloropropene	7.923	75	158356	50.64	ug/l	99
37) Ethyl Acetate	7.082	43	108615	53.93	ug/l	99
38) Carbon Tetrachloride	7.905	117	143018	52.90	ug/l	99
39) Methylcyclohexane	9.185	83	200171	51.99	ug/l	98
40) Benzene	8.167	78	455098	51.78	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	59597m	48.83	ug/l	
42) 1,2-Dichloroethane	8.246	62	139458	50.58	ug/l	99
43) Isopropyl Acetate	8.283	43	211266	55.34	ug/l	99
44) Trichloroethene	8.941	130	122284	51.03	ug/l	96
45) 1,2-Dichloropropane	9.222	63	120161	52.97	ug/l	100
46) Dibromomethane	9.313	93	63209	51.18	ug/l	99
47) Bromodichloromethane	9.502	83	153619	51.38	ug/l	97
48) Methyl methacrylate	9.295	41	96658	54.98	ug/l	97
49) 1,4-Dioxane	9.307	88	17762	1101.30	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	552432	281.69	ug/l	100
52) Toluene	10.246	92	290381	51.06	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	172912	52.44	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	193675	51.72	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	89424	52.55	ug/l	95
56) Ethyl methacrylate	10.514	69	135064	54.74	ug/l	98
57) 1,3-Dichloropropane	10.795	76	161339	53.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	354676	280.92	ug/l	98
59) 2-Hexanone	10.837	43	369341	280.94	ug/l	100
60) Dibromochloromethane	10.990	129	105237	52.04	ug/l	100
61) 1,2-Dibromoethane	11.093	107	87002	53.03	ug/l	99
64) Tetrachloroethene	10.721	164	125120	50.50	ug/l	99
65) Chlorobenzene	11.520	112	293537	50.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	105784	51.04	ug/l	99
67) Ethyl Benzene	11.593	91	560568	51.59	ug/l	98
68) m/p-Xylenes	11.703	106	417750	103.47	ug/l	100
69) o-Xylene	12.032	106	194975	51.53	ug/l	100
70) Styrene	12.044	104	328001	52.34	ug/l	99
71) Bromoform	12.209	173	64143	52.18	ug/l #	100
73) Isopropylbenzene	12.331	105	535226	52.10	ug/l	100
74) N-amyl acetate	12.148	43	192767	55.73	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	105229	54.14	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	78344m	54.90	ug/l	
77) Bromobenzene	12.611	156	118630	51.51	ug/l	100
78) n-propylbenzene	12.672	91	641646	52.87	ug/l	99
79) 2-Chlorotoluene	12.758	91	347281	52.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	439337	52.61	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	43247	54.21	ug/l #	75
82) 4-Chlorotoluene	12.855	91	361835	51.62	ug/l	100
83) tert-Butylbenzene	13.081	119	372641	52.13	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	437963	51.97	ug/l	100
85) sec-Butylbenzene	13.258	105	524148	52.57	ug/l	99
86) p-Isopropyltoluene	13.373	119	469809	51.80	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	220146	51.18	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	219073	50.60	ug/l	100
89) n-Butylbenzene	13.697	91	460122	53.15	ug/l	100
90) Hexachloroethane	13.965	117	67488	55.46	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	195526	51.21	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17216	49.36	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	127927	50.67	ug/l	99
94) Hexachlorobutadiene	15.117	225	67065	50.88	ug/l	99
95) Naphthalene	15.239	128	284520	51.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	111805	50.20	ug/l	99

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

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