

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081621\
 Data File : VY005684.D
 Acq On : 16 Aug 2021 20:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/17/2021 7:23:39 PM

Quant Time: Aug 17 05:21:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	211918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	263214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	112911	52.636	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.280%			
35) Dibromofluoromethane	7.722	113	91232	50.986	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.980%			
50) Toluene-d8	10.185	98	366428	48.828	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.483	95	108936	43.835	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	62083	35.669	ug/l	98
3) Chloromethane	2.113	50	84074	40.437	ug/l	99
4) Vinyl Chloride	2.259	62	106220	42.653	ug/l	99
5) Bromomethane	2.656	94	76086	46.417	ug/l	98
6) Chloroethane	2.796	64	73809	49.101	ug/l	97
7) Trichlorofluoromethane	3.131	101	153564	46.056	ug/l	97
8) Diethyl Ether	3.534	74	58080	49.873	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	86826	48.008	ug/l	99
10) Methyl Iodide	4.101	142	100658	44.673	ug/l	99
11) Tert butyl alcohol	4.978	59	48325	227.882	ug/l	100
12) 1,1-Dichloroethene	3.881	96	85596	46.868	ug/l	95
13) Acrolein	3.741	56	30500	238.382	ug/l	98
14) Allyl chloride	4.491	41	161762	50.570	ug/l	99
15) Acrylonitrile	5.174	53	161385	270.406	ug/l	100
16) Acetone	3.954	43	121227	224.145	ug/l	99
17) Carbon Disulfide	4.204	76	242154	43.013	ug/l	99
18) Methyl Acetate	4.485	43	83936	59.340	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	300073	53.038	ug/l	99
20) Methylene Chloride	4.722	84	125961	59.967	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	99344	48.654	ug/l	96
22) Diisopropyl ether	6.131	45	367076	55.625	ug/l	98
23) Vinyl Acetate	6.070	43	1181722	269.083	ug/l	99
24) 1,1-Dichloroethane	6.027	63	194803	53.267	ug/l	99
25) 2-Butanone	6.996	43	205460	256.995	ug/l	99
26) 2,2-Dichloropropane	6.990	77	156499	46.838	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	119697	51.543	ug/l	98
28) Bromochloromethane	7.338	49	76342	52.302	ug/l	95
29) Tetrahydrofuran	7.356	42	138473	261.871	ug/l	98
30) Chloroform	7.515	83	197747	52.977	ug/l	99
31) Cyclohexane	7.789	56	167451	45.509	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	174449	50.841	ug/l	99
36) 1,1-Dichloropropene	7.923	75	143819	47.978	ug/l	99
37) Ethyl Acetate	7.082	43	92728	51.062	ug/l	99
38) Carbon Tetrachloride	7.905	117	157841	48.448	ug/l	99
39) Methylcyclohexane	9.185	83	174562	45.772	ug/l	99
40) Benzene	8.167	78	427993	49.859	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	55439m	56.264	ug/l	
42) 1,2-Dichloroethane	8.240	62	144615	51.937	ug/l	99
43) Isopropyl Acetate	8.277	43	180004	52.355	ug/l	99
44) Trichloroethene	8.941	130	116058	49.537	ug/l	100
45) 1,2-Dichloropropane	9.222	63	113325	52.769	ug/l	100
46) Dibromomethane	9.307	93	60632	51.061	ug/l	96
47) Bromodichloromethane	9.502	83	156869	52.785	ug/l	98
48) Methyl methacrylate	9.295	41	82417	53.042	ug/l	98
49) 1,4-Dioxane	9.307	88	15246	923.836	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	490348	270.816	ug/l	100
52) Toluene	10.246	92	271152	49.539	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	166739	50.204	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	180176	49.988	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	88984	51.792	ug/l	98
56) Ethyl methacrylate	10.514	69	135373	52.620	ug/l	98
57) 1,3-Dichloropropane	10.794	76	138279	45.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	347246	282.483	ug/l	98
59) 2-Hexanone	10.837	43	305314	238.574	ug/l	99
60) Dibromochloromethane	10.990	129	97645	45.923	ug/l	100
61) 1,2-Dibromoethane	11.093	107	71620	44.006	ug/l	98
64) Tetrachloroethene	10.721	164	101366	50.594	ug/l	98
65) Chlorobenzene	11.520	112	260745	49.227	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	100995	50.661	ug/l	100
67) Ethyl Benzene	11.593	91	472232	49.167	ug/l	99
68) m/p-Xylenes	11.703	106	364283	97.651	ug/l	99
69) o-Xylene	12.032	106	176342	49.182	ug/l	99
70) Styrene	12.044	104	302856	50.181	ug/l	100
71) Bromoform	12.209	173	67287	52.047	ug/l #	99
73) Isopropylbenzene	12.331	105	465555	47.811	ug/l	99
74) N-amyl acetate	12.142	43	146458	49.965	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	92763	49.529	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	63135m	43.674	ug/l	
77) Bromobenzene	12.611	156	115898	48.446	ug/l	97
78) n-propylbenzene	12.672	91	554436	47.941	ug/l	99
79) 2-Chlorotoluene	12.758	91	313022	48.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	386636	47.844	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	33534	46.762	ug/l	97
82) 4-Chlorotoluene	12.855	91	320056	47.632	ug/l	99
83) tert-Butylbenzene	13.075	119	347989	47.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	386691	48.495	ug/l	99
85) sec-Butylbenzene	13.251	105	500873	47.889	ug/l	100
86) p-Isopropyltoluene	13.367	119	427920	47.655	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	224427	48.077	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	220058	47.520	ug/l	99
89) n-Butylbenzene	13.696	91	379923	46.701	ug/l	100
90) Hexachloroethane	13.959	117	81206	50.300	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	202332	49.071	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17625	49.642	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	134612	47.526	ug/l	100
94) Hexachlorobutadiene	15.111	225	85793	46.780	ug/l	99
95) Naphthalene	15.239	128	284282	50.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	124536	49.630	ug/l	100

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

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