

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004873.D
 Acq On : 26 May 2021 09:31
 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
 5/27/2021 10:32:49 AM

Quant Time: May 27 01:11:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	199110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	319940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	290903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137628	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115736	48.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.66%		
35) Dibromofluoromethane	7.722	113	93263	53.25	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.50%		
50) Toluene-d8	10.185	98	392926	49.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.32%		
62) 4-Bromofluorobenzene	12.483	95	131911	49.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.80%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	83656	45.88	ug/l	98
3) Chloromethane	2.119	50	137049	46.38	ug/l	99
4) Vinyl Chloride	2.260	62	125475	41.50	ug/l	98
5) Bromomethane	2.656	94	76255	49.45	ug/l	98
6) Chloroethane	2.802	64	76563	42.91	ug/l	93
7) Trichlorofluoromethane	3.131	101	167079	46.55	ug/l	100
8) Diethyl Ether	3.540	74	61355	48.38	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	99329	48.78	ug/l	98
10) Methyl Iodide	4.095	142	79511	36.52	ug/l	99
11) Tert butyl alcohol	4.972	59	52127	218.86	ug/l	97
12) 1,1-Dichloroethene	3.881	96	97065	49.32	ug/l	99
13) Acrolein	3.735	56	49490	176.74	ug/l	99
14) Allyl chloride	4.491	41	190531	49.54	ug/l	96
15) Acrylonitrile	5.174	53	154292	242.72	ug/l	99
16) Acetone	3.960	43	109486	205.67	ug/l	97
17) Carbon Disulfide	4.204	76	294551	49.01	ug/l	99
18) Methyl Acetate	4.491	43	82018	48.31	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	258347	47.73	ug/l	99
20) Methylene Chloride	4.722	84	121375	49.02	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	110384	49.36	ug/l	98
22) Diisopropyl ether	6.125	45	360642	48.75	ug/l	100
23) Vinyl Acetate	6.070	43	1323793	238.27	ug/l	100
24) 1,1-Dichloroethane	6.027	63	208802	50.16	ug/l	99
25) 2-Butanone	6.996	43	203634	215.32	ug/l	99
26) 2,2-Dichloropropane	6.990	77	179225	49.29	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	123937	49.91	ug/l	98
28) Bromochloromethane	7.338	49	104456	51.37	ug/l	99
29) Tetrahydrofuran	7.356	42	140428	232.77	ug/l	98
30) Chloroform	7.515	83	201112	49.04	ug/l	98
31) Cyclohexane	7.789	56	181284	47.25	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	176840	48.10	ug/l	99
36) 1,1-Dichloropropene	7.923	75	163641	49.91	ug/l	99
37) Ethyl Acetate	7.082	43	103720	46.16	ug/l	98
38) Carbon Tetrachloride	7.905	117	145414	49.34	ug/l	98
39) Methylcyclohexane	9.185	83	171484	47.96	ug/l	99
40) Benzene	8.167	78	460340	49.66	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	66796m	54.40	ug/l	
42) 1,2-Dichloroethane	8.240	62	136641	46.68	ug/l	100
43) Isopropyl Acetate	8.277	43	196716	47.16	ug/l	99
44) Trichloroethene	8.941	130	119861	48.11	ug/l	99
45) 1,2-Dichloropropane	9.222	63	119890	49.44	ug/l	99
46) Dibromomethane	9.307	93	64356	47.72	ug/l	97
47) Bromodichloromethane	9.502	83	154268	48.23	ug/l	100
48) Methyl methacrylate	9.295	41	88861	46.81	ug/l	98
49) 1,4-Dioxane	9.307	88	14291	899.96	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	515733	229.80	ug/l	99
52) Toluene	10.246	92	277786	47.47	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	167423	47.24	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	187465	47.54	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	89016	47.96	ug/l	98
56) Ethyl methacrylate	10.514	69	128346	47.82	ug/l	97
57) 1,3-Dichloropropane	10.795	76	160475	48.63	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	348138	251.29	ug/l	98
59) 2-Hexanone	10.837	43	347926	228.78	ug/l	98
60) Dibromochloromethane	10.990	129	103329	46.82	ug/l	100
61) 1,2-Dibromoethane	11.093	107	85100	47.56	ug/l	99
64) Tetrachloroethene	10.721	164	124565	47.39	ug/l	98
65) Chlorobenzene	11.520	112	291128	48.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	104224	47.88	ug/l	99
67) Ethyl Benzene	11.593	91	541207	48.65	ug/l	99
68) m/p-Xylenes	11.703	106	407887	97.60	ug/l	100
69) o-Xylene	12.032	106	190530	48.78	ug/l	99
70) Styrene	12.044	104	325095	49.65	ug/l	99
71) Bromoform	12.209	173	62607	47.48	ug/l #	100
73) Isopropylbenzene	12.331	105	516593	49.76	ug/l	100
74) N-amyl acetate	12.148	43	174275	47.47	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	100387	48.45	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	71257m	48.75	ug/l	
77) Bromobenzene	12.611	156	114817	48.98	ug/l	97
78) n-propylbenzene	12.672	91	633639	50.01	ug/l	100
79) 2-Chlorotoluene	12.758	91	340309	48.95	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	430587	49.94	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	40074	47.53	ug/l #	76
82) 4-Chlorotoluene	12.855	91	351675	48.71	ug/l	99
83) tert-Butylbenzene	13.075	119	373348	50.72	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	432510	50.11	ug/l	99
85) sec-Butylbenzene	13.258	105	543280	50.76	ug/l	100
86) p-Isopropyltoluene	13.373	119	466326	50.27	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	222358	48.36	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	221812	48.95	ug/l	100
89) n-Butylbenzene	13.696	91	459066	50.61	ug/l	100
90) Hexachloroethane	13.959	117	67550	51.70	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	198887	49.03	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17321	44.74	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	127282	48.71	ug/l	99
94) Hexachlorobutadiene	15.111	225	69268	48.94	ug/l	97
95) Naphthalene	15.239	128	277462	49.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	112350	48.58	ug/l	99

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

