

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041321\
 Data File : VY004398.D
 Acq On : 13 Apr 2021 09:42
 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
 4/14/2021 6:27:00 PM

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Quant Time: Apr 14 01:21:57 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	7.801	168	189168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	303756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	271910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126524	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	105625	50.26	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.52%			
35) Dibromofluoromethane	7.728	113	86435	51.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.56%			
50) Toluene-d8	10.185	98	360931	50.34	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.68%			
62) 4-Bromofluorobenzene	12.483	95	120849	49.67	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	93428	53.31	ug/l	97
3) Chloromethane	2.125	50	126824	50.04	ug/l	99
4) Vinyl Chloride	2.259	62	142508	53.24	ug/l	99
5) Bromomethane	2.656	94	68424	52.39	ug/l	97
6) Chloroethane	2.802	64	83778	52.20	ug/l	99
7) Trichlorofluoromethane	3.137	101	171921	51.36	ug/l	99
8) Diethyl Ether	3.540	74	59250	52.37	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	97695	52.61	ug/l	99
10) Methyl Iodide	4.107	142	110361	49.66	ug/l	99
11) Tert butyl alcohol	4.985	59	54705	264.10	ug/l	100
12) 1,1-Dichloroethene	3.881	96	94468	51.45	ug/l	96
13) Acrolein	3.741	56	59462	258.24	ug/l	100
14) Allyl chloride	4.491	41	181648	51.72	ug/l	99
15) Acrylonitrile	5.180	53	162620	267.90	ug/l	99
16) Acetone	3.960	43	106649	238.16	ug/l	100
17) Carbon Disulfide	4.204	76	298657	52.82	ug/l	100
18) Methyl Acetate	4.491	43	77044	52.63	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	292073	52.94	ug/l	99
20) Methylene Chloride	4.729	84	103562	51.02	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	107662	51.82	ug/l	99
22) Diisopropyl ether	6.137	45	386760	52.10	ug/l	96
23) Vinyl Acetate	6.076	43	1351093	267.36	ug/l	99
24) 1,1-Dichloroethane	6.033	63	196517	51.82	ug/l	99
25) 2-Butanone	6.996	43	209377	261.52	ug/l	96
26) 2,2-Dichloropropane	6.990	77	175320	51.52	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	119870	51.57	ug/l	98
28) Bromochloromethane	7.350	49	95600	55.47	ug/l	99
29) Tetrahydrofuran	7.362	42	154225	269.62	ug/l	99
30) Chloroform	7.521	83	193284	51.87	ug/l	100
31) Cyclohexane	7.795	56	190804	49.52	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	173511	51.32	ug/l	100
36) 1,1-Dichloropropene	7.929	75	155043	51.37	ug/l	99
37) Ethyl Acetate	7.088	43	105565	54.31	ug/l	98
38) Carbon Tetrachloride	7.911	117	140737	53.94	ug/l	99
39) Methylcyclohexane	9.191	83	193938	52.19	ug/l	98
40) Benzene	8.167	78	445261	52.49	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	61466m	52.18	ug/l	
42) 1,2-Dichloroethane	8.246	62	137297	51.60	ug/l	100
43) Isopropyl Acetate	8.283	43	200116	54.31	ug/l	99
44) Trichloroethene	8.947	130	120869	52.26	ug/l	96
45) 1,2-Dichloropropane	9.222	63	114815	52.45	ug/l	99
46) Dibromomethane	9.313	93	62186	52.17	ug/l	99
47) Bromodichloromethane	9.502	83	151609	52.54	ug/l	99
48) Methyl methacrylate	9.301	41	92293	54.39	ug/l	98
49) 1,4-Dioxane	9.301	88	16371	1051.71	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	525844	277.82	ug/l	100
52) Toluene	10.252	92	277411	50.54	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	167793	52.72	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	189947	52.55	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	85979	52.35	ug/l	98
56) Ethyl methacrylate	10.514	69	127807	53.67	ug/l	99
57) 1,3-Dichloropropane	10.795	76	152904	52.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	347186	284.92	ug/l	99
59) 2-Hexanone	10.837	43	355462	280.15	ug/l	100
60) Dibromochloromethane	10.990	129	102519	52.53	ug/l	100
61) 1,2-Dibromoethane	11.093	107	83902	52.99	ug/l	100
64) Tetrachloroethene	10.727	164	122223	51.63	ug/l	97
65) Chlorobenzene	11.520	112	283742	51.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	102323	51.67	ug/l	100
67) Ethyl Benzene	11.599	91	533065	51.34	ug/l	100
68) m/p-Xylenes	11.709	106	400041	103.69	ug/l	99
69) o-Xylene	12.032	106	185443	51.29	ug/l	99
70) Styrene	12.050	104	313450	52.34	ug/l	99
71) Bromoform	12.215	173	61978	52.76	ug/l #	100
73) Isopropylbenzene	12.337	105	504133	51.56	ug/l	99
74) N-amyl acetate	12.148	43	181044	55.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	101135	54.68	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	78079m	57.50	ug/l	
77) Bromobenzene	12.611	156	112522	51.35	ug/l	100
78) n-propylbenzene	12.678	91	599744	51.93	ug/l	99
79) 2-Chlorotoluene	12.764	91	322929	51.12	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	415569	52.30	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	40438	53.27	ug/l	99
82) 4-Chlorotoluene	12.861	91	343682	51.52	ug/l	100
83) tert-Butylbenzene	13.081	119	350127	51.48	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	414643	51.71	ug/l	100
85) sec-Butylbenzene	13.258	105	490332	51.68	ug/l	100
86) p-Isopropyltoluene	13.373	119	444638	51.52	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	213400	52.14	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	210722	51.14	ug/l	100
89) n-Butylbenzene	13.703	91	428483	52.01	ug/l	100
90) Hexachloroethane	13.965	117	61982	53.53	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	188313	51.83	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17690	53.30	ug/l	100
93) 1,2,4-Trichlorobenzene	15.013	180	122361	50.93	ug/l	99
94) Hexachlorobutadiene	15.117	225	64844	51.70	ug/l	98
95) Naphthalene	15.239	128	273950	52.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	107568	50.76	ug/l	99

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

