

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
 Data File : VY004596.D
 Acq On : 23 Apr 2021 11:13
 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
 4/26/2021 4:52:48 PM

Quant Time: Apr 26 08:25:42 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	157984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	252977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	225739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	108888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	90850	51.76	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.52%			
35) Dibromofluoromethane	7.734	113	70344	50.11	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.22%			
50) Toluene-d8	10.185	98	297017	49.74	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.48%			
62) 4-Bromofluorobenzene	12.489	95	98528	48.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.24%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	75567	51.63	ug/l	98
3) Chloromethane	2.125	50	113390	53.57	ug/l	96
4) Vinyl Chloride	2.265	62	116983	52.33	ug/l	97
5) Bromomethane	2.668	94	62826	57.60	ug/l	98
6) Chloroethane	2.808	64	74498	55.59	ug/l	100
7) Trichlorofluoromethane	3.143	101	152861	54.68	ug/l	100
8) Diethyl Ether	3.546	74	49703	52.60	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.918	101	84642	54.58	ug/l	99
10) Methyl Iodide	4.106	142	90597	48.81	ug/l	98
11) Tert butyl alcohol	4.997	59	40760	235.62	ug/l	99
12) 1,1-Dichloroethene	3.887	96	80731	52.65	ug/l	93
13) Acrolein	3.747	56	48112	250.19	ug/l	96
14) Allyl chloride	4.497	41	158555	54.06	ug/l	99
15) Acrylonitrile	5.186	53	139246	274.67	ug/l	98
16) Acetone	3.966	43	88149	235.49	ug/l	99
17) Carbon Disulfide	4.210	76	246865	52.28	ug/l	99
18) Methyl Acetate	4.497	43	67627	55.31	ug/l	98
19) Methyl tert-butyl Ether	5.240	73	251657	54.61	ug/l	98
20) Methylene Chloride	4.734	84	90237	53.23	ug/l	98
21) trans-1,2-Dichloroethene	5.240	96	91761	52.88	ug/l	98
22) Diisopropyl ether	6.137	45	339795	54.81	ug/l	98
23) Vinyl Acetate	6.082	43	1176893	278.86	ug/l	98
24) 1,1-Dichloroethane	6.033	63	171773	54.24	ug/l	99
25) 2-Butanone	7.008	43	172368	257.79	ug/l	96
26) 2,2-Dichloropropane	6.996	77	159299	56.05	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	103398	53.26	ug/l	98
28) Bromochloromethane	7.350	49	80329	55.81	ug/l	97
29) Tetrahydrofuran	7.368	42	129767	271.64	ug/l	99
30) Chloroform	7.521	83	169320	54.40	ug/l	100
31) Cyclohexane	7.795	56	164803	51.21	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	156118	55.29	ug/l	99
36) 1,1-Dichloropropene	7.929	75	136129	54.15	ug/l	99
37) Ethyl Acetate	7.094	43	91955	56.80	ug/l	97
38) Carbon Tetrachloride	7.911	117	130341	59.98	ug/l	97
39) Methylcyclohexane	9.191	83	166908	53.93	ug/l	98
40) Benzene	8.173	78	384623	54.44	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	47355m	48.27	ug/l	
42) 1,2-Dichloroethane	8.246	62	124242	56.07	ug/l	99
43) Isopropyl Acetate	8.283	43	176250	57.43	ug/l	99
44) Trichloroethene	8.947	130	103274	53.61	ug/l	95
45) 1,2-Dichloropropane	9.228	63	101093	55.45	ug/l	98
46) Dibromomethane	9.313	93	55005	55.41	ug/l	97
47) Bromodichloromethane	9.508	83	134667	56.04	ug/l	100
48) Methyl methacrylate	9.301	41	81444	57.63	ug/l	99
49) 1,4-Dioxane	9.319	88	13779	1062.87	ug/l #	90
51) 4-Methyl-2-Pentanone	10.081	43	463204	293.85	ug/l	99
52) Toluene	10.252	92	240634	52.64	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	147883	55.79	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	164851	54.76	ug/l	95
55) 1,1,2-Trichloroethane	10.654	97	74281	54.31	ug/l	98
56) Ethyl methacrylate	10.520	69	113104	57.02	ug/l	96
57) 1,3-Dichloropropane	10.794	76	135170	55.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	282747	278.61	ug/l	98
59) 2-Hexanone	10.843	43	309135	292.54	ug/l	98
60) Dibromochloromethane	10.989	129	91301	56.17	ug/l	99
61) 1,2-Dibromoethane	11.099	107	71877	54.51	ug/l	100
64) Tetrachloroethene	10.727	164	107438	54.67	ug/l	98
65) Chlorobenzene	11.526	112	248066	53.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	90955	55.32	ug/l	99
67) Ethyl Benzene	11.599	91	475581	55.18	ug/l	97
68) m/p-Xylenes	11.709	106	353938	110.51	ug/l	99
69) o-Xylene	12.038	106	162517	54.15	ug/l	98
70) Styrene	12.050	104	276659	55.65	ug/l	99
71) Bromoform	12.215	173	53930	55.30	ug/l #	100
73) Isopropylbenzene	12.337	105	452588	53.79	ug/l	100
74) N-amyl acetate	12.148	43	158915	56.10	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	85495	53.71	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	59874m	51.23	ug/l	
77) Bromobenzene	12.617	156	97602	51.75	ug/l	98
78) n-propylbenzene	12.678	91	542389	54.57	ug/l	98
79) 2-Chlorotoluene	12.763	91	292538	53.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	374257	54.72	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	35599	54.49	ug/l #	75
82) 4-Chlorotoluene	12.861	91	304039	52.96	ug/l	100
83) tert-Butylbenzene	13.081	119	307712	52.57	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	371231	53.79	ug/l	99
85) sec-Butylbenzene	13.257	105	448113	54.88	ug/l	99
86) p-Isopropyltoluene	13.373	119	406615	54.74	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	187681	53.28	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	185039	52.18	ug/l	100
89) n-Butylbenzene	13.702	91	390421	55.07	ug/l	99
90) Hexachloroethane	13.964	117	62400	62.62	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	164789	52.70	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15334	53.68	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	107907	52.19	ug/l	100
94) Hexachlorobutadiene	15.117	225	57147	52.94	ug/l	99
95) Naphthalene	15.245	128	237722	52.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	93519	51.27	ug/l	100

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

