

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041321\
 Data File : VY004409.D
 Acq On : 13 Apr 2021 14:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2021 6:27:20 PM

Quant Time: Apr 14 01:27:13 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	223605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	365042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	330135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157485	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	137245	55.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.48%			
35) Dibromofluoromethane	7.728	113	104834	51.75	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.50%			
50) Toluene-d8	10.185	98	463092	53.74	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.48%			
62) 4-Bromofluorobenzene	12.483	95	157599	53.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.80%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	103869	50.14	ug/l	99
3) Chloromethane	2.119	50	144630	48.28	ug/l	97
4) Vinyl Chloride	2.259	62	177936	56.24	ug/l	99
5) Bromomethane	2.656	94	79180	51.29	ug/l	96
6) Chloroethane	2.802	64	95359	50.27	ug/l	99
7) Trichlorofluoromethane	3.131	101	194298	49.10	ug/l	99
8) Diethyl Ether	3.540	74	68973	51.58	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	107452	48.96	ug/l	100
10) Methyl Iodide	4.100	142	130026	49.50	ug/l	99
11) Tert butyl alcohol	4.978	59	65637	268.08	ug/l	98
12) 1,1-Dichloroethene	3.881	96	106232	48.95	ug/l	98
13) Acrolein	3.741	56	87074	319.92	ug/l	98
14) Allyl chloride	4.491	41	206236	49.68	ug/l	99
15) Acrylonitrile	5.180	53	185792	258.94	ug/l	98
16) Acetone	3.960	43	148361	283.97	ug/l	97
17) Carbon Disulfide	4.204	76	319692	47.84	ug/l	100
18) Methyl Acetate	4.491	43	87444	50.53	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	336261	51.56	ug/l	100
20) Methylene Chloride	4.728	84	121951	50.82	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	122289	49.80	ug/l	97
22) Diisopropyl ether	6.131	45	442030	50.37	ug/l	98
23) Vinyl Acetate	6.070	43	1537228	257.35	ug/l	100
24) 1,1-Dichloroethane	6.033	63	223832	49.93	ug/l	99
25) 2-Butanone	6.996	43	254262	268.67	ug/l	98
26) 2,2-Dichloropropane	6.996	77	194687	48.40	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	135009	49.13	ug/l	98
28) Bromochloromethane	7.344	49	113814	55.86	ug/l	99
29) Tetrahydrofuran	7.356	42	175471	259.52	ug/l	99
30) Chloroform	7.514	83	220044	49.95	ug/l	99
31) Cyclohexane	7.795	56	208407	45.76	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	196694	49.21	ug/l	100
36) 1,1-Dichloropropene	7.923	75	173770	47.91	ug/l	99
37) Ethyl Acetate	7.088	43	120407	51.55	ug/l	99
38) Carbon Tetrachloride	7.911	117	158543	50.56	ug/l	100
39) Methylcyclohexane	9.185	83	215657	48.29	ug/l	100
40) Benzene	8.167	78	501088	49.16	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	61867m	43.70	ug/l	
42) 1,2-Dichloroethane	8.246	62	159098	49.75	ug/l	100
43) Isopropyl Acetate	8.283	43	229274	51.78	ug/l	99
44) Trichloroethene	8.947	130	136728	49.19	ug/l	100
45) 1,2-Dichloropropane	9.221	63	130196	49.49	ug/l	100
46) Dibromomethane	9.313	93	71407	49.85	ug/l	99
47) Bromodichloromethane	9.502	83	172810	49.83	ug/l	99
48) Methyl methacrylate	9.301	41	105903	51.93	ug/l	100
49) 1,4-Dioxane	9.307	88	20679	1105.43	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	592541	260.50	ug/l	100
52) Toluene	10.246	92	316253	47.94	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	192526	50.34	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	215410	49.59	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	99557	50.44	ug/l	98
56) Ethyl methacrylate	10.514	69	147211	51.44	ug/l	99
57) 1,3-Dichloropropane	10.794	76	178780	50.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	401397	274.11	ug/l	100
59) 2-Hexanone	10.837	43	409284	268.41	ug/l	100
60) Dibromochloromethane	10.989	129	119398	50.91	ug/l	99
61) 1,2-Dibromoethane	11.093	107	97613	51.30	ug/l	99
64) Tetrachloroethene	10.721	164	137902	47.98	ug/l	98
65) Chlorobenzene	11.520	112	324120	48.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	119569	49.73	ug/l	99
67) Ethyl Benzene	11.593	91	607479	48.19	ug/l	98
68) m/p-Xylenes	11.709	106	454115	96.95	ug/l	100
69) o-Xylene	12.032	106	213703	48.69	ug/l	99
70) Styrene	12.044	104	361679	49.75	ug/l	99
71) Bromoform	12.209	173	72125	50.57	ug/l #	99
73) Isopropylbenzene	12.331	105	576329	47.36	ug/l	100
74) N-amyl acetate	12.148	43	211319	51.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	113638	49.36	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	84480m	49.98	ug/l	
77) Bromobenzene	12.611	156	129146	47.35	ug/l	98
78) n-propylbenzene	12.672	91	688448	47.89	ug/l	99
79) 2-Chlorotoluene	12.757	91	382319	48.63	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	478976	48.42	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	45933	48.61	ug/l	100
82) 4-Chlorotoluene	12.855	91	400584	48.25	ug/l	100
83) tert-Butylbenzene	13.081	119	410237	48.46	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	480856	48.17	ug/l	99
85) sec-Butylbenzene	13.257	105	568939	48.18	ug/l	100
86) p-Isopropyltoluene	13.373	119	515521	47.99	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	245675	48.22	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	244358	47.65	ug/l	100
89) n-Butylbenzene	13.702	91	490218	47.81	ug/l	100
90) Hexachloroethane	13.965	117	73580	51.05	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	221743	49.03	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19991	48.39	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	145239	48.57	ug/l	99
94) Hexachlorobutadiene	15.117	225	76008	48.69	ug/l	98
95) Naphthalene	15.239	128	335655	51.64	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	131603	49.89	ug/l	99

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

