

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004353.D
 Acq On : 09 Apr 2021 13:10
 Operator : SY/MD
 Sample : VY0409SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBS01

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 APPROVED

MMDadoda
 4/12/2021 2:47:30 PM

Quant Time: Apr 10 02:01:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	154415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	247985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	218714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82009	55.25	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.50%			
35) Dibromofluoromethane	7.728	113	71378	51.66	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.32%			
50) Toluene-d8	10.185	98	273465	52.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.24%			
62) 4-Bromofluorobenzene	12.483	95	95379	53.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	24993	18.69	ug/l	92
3) Chloromethane	2.119	50	37254	20.64	ug/l	99
4) Vinyl Chloride	2.260	62	41043	20.40	ug/l	99
5) Bromomethane	2.650	94	20107	18.17	ug/l	94
6) Chloroethane	2.796	64	25560	19.60	ug/l	97
7) Trichlorofluoromethane	3.131	101	54417	20.81	ug/l	96
8) Diethyl Ether	3.534	74	18677	22.26	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.912	101	30953	21.74	ug/l	99
10) Methyl Iodide	4.101	142	32987	20.05	ug/l	98
11) Tert butyl alcohol	4.972	59	15970	132.21	ug/l	99
12) 1,1-Dichloroethene	3.881	96	29324	21.00	ug/l	91
13) Acrolein	3.741	56	12396	114.76	ug/l	97
14) Allyl chloride	4.491	41	56428	25.36	ug/l	94
15) Acrylonitrile	5.180	53	49668	124.38	ug/l	99
16) Acetone	3.960	43	36161	116.93	ug/l	92
17) Carbon Disulfide	4.204	76	77735	21.17	ug/l	100
18) Methyl Acetate	4.485	43	23833	24.08	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	90976	22.05	ug/l	97
20) Methylene Chloride	4.722	84	38545	24.13	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	32885	20.97	ug/l	90
22) Diisopropyl ether	6.125	45	124394	25.45	ug/l	97
23) Vinyl Acetate	6.070	43	398362	121.17	ug/l	97
24) 1,1-Dichloroethane	6.027	63	63622	23.89	ug/l	99
25) 2-Butanone	6.996	43	61561	119.16	ug/l	94
26) 2,2-Dichloropropane	6.990	77	57279	22.99	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	38275	21.56	ug/l	93
28) Bromochloromethane	7.344	49	30177	27.88	ug/l	91
29) Tetrahydrofuran	7.356	42	43574	119.71	ug/l	93
30) Chloroform	7.515	83	63955	22.57	ug/l	99
31) Cyclohexane	7.789	56	59521	22.69	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	56588	21.83	ug/l	98
36) 1,1-Dichloropropene	7.923	75	49119	21.70	ug/l	98
37) Ethyl Acetate	7.088	43	30510	22.97	ug/l	98
38) Carbon Tetrachloride	7.911	117	43971	22.34	ug/l	99
39) Methylcyclohexane	9.191	83	59170	21.11	ug/l	98
40) Benzene	8.167	78	138384	21.57	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	16953	23.04	ug/l #	28
42) 1,2-Dichloroethane	8.246	62	44682	22.16	ug/l	98
43) Isopropyl Acetate	8.283	43	59365	23.61	ug/l	96
44) Trichloroethene	8.941	130	38677	18.93	ug/l	87
45) 1,2-Dichloropropane	9.222	63	37113	23.40	ug/l	99
46) Dibromomethane	9.313	93	19431	20.84	ug/l	96
47) Bromodichloromethane	9.502	83	49552	22.27	ug/l	98
48) Methyl methacrylate	9.301	41	27162	23.78	ug/l	94
49) 1,4-Dioxane	9.301	88	5339	446.17	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	149618	116.79	ug/l	98
52) Toluene	10.246	92	88293	21.40	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	52189	22.00	ug/l	94
54) cis-1,3-Dichloropropene	9.935	75	58705	22.15	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	27845	21.80	ug/l	94
56) Ethyl methacrylate	10.514	69	37535	21.41	ug/l	94
57) 1,3-Dichloropropane	10.795	76	49272	22.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	98775	131.72	ug/l	94
59) 2-Hexanone	10.837	43	100562	114.18	ug/l	96
60) Dibromochloromethane	10.990	129	33065	21.59	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25581	20.29	ug/l	99
64) Tetrachloroethene	10.721	164	38892	18.07	ug/l	96
65) Chlorobenzene	11.520	112	92444	21.19	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	33673	21.55	ug/l	99
67) Ethyl Benzene	11.593	91	171470	21.65	ug/l	99
68) m/p-Xylenes	11.703	106	127039	41.77	ug/l	99
69) o-Xylene	12.032	106	59409	20.88	ug/l	98
70) Styrene	12.044	104	98380	20.78	ug/l	99
71) Bromoform	12.215	173	18347	20.62	ug/l #	99
73) Isopropylbenzene	12.331	105	163319	21.75	ug/l	99
74) N-amyl acetate	12.148	43	53071	24.18	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	29951	21.55	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22138m	23.72	ug/l	
77) Bromobenzene	12.611	156	36642	20.84	ug/l	93
78) n-propylbenzene	12.672	91	193834	22.31	ug/l	98
79) 2-Chlorotoluene	12.758	91	107454	22.51	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	133487	21.79	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11492	22.69	ug/l	98
82) 4-Chlorotoluene	12.861	91	109908	21.87	ug/l	98
83) tert-Butylbenzene	13.075	119	118190	22.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	135371	22.03	ug/l	100
85) sec-Butylbenzene	13.258	105	160346	22.00	ug/l	99
86) p-Isopropyltoluene	13.373	119	144874	21.37	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	69375	21.15	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	68268	21.07	ug/l	98
89) n-Butylbenzene	13.696	91	139542	22.38	ug/l	99
90) Hexachloroethane	13.965	117	19085	34.38	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	60744	20.63	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5012	19.32	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	40907	19.55	ug/l	98
94) Hexachlorobutadiene	15.117	225	21522	19.34	ug/l	97
95) Naphthalene	15.239	128	85520	19.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36234	18.95	ug/l	98

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

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