

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050421\
 Data File : VY004703.D
 Acq On : 04 May 2021 10:23
 Operator : SY/MD
 Sample : VY0504SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:31:35 PM

Quant Time: May 05 01:30:54 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	7.795	168	175076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	253985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124435	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	101011	51.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.86%			
35) Dibromofluoromethane	7.722	113	78056	50.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.52%			
50) Toluene-d8	10.179	98	330914	50.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.18%			
62) 4-Bromofluorobenzene	12.483	95	113300	51.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.08%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33278	20.52	ug/l	98
3) Chloromethane	2.113	50	47390	20.20	ug/l	94
4) Vinyl Chloride	2.253	62	48881	19.73	ug/l	99
5) Bromomethane	2.637	94	26694	22.09	ug/l	99
6) Chloroethane	2.790	64	29603	19.93	ug/l	98
7) Trichlorofluoromethane	3.125	101	60747	19.61	ug/l	97
8) Diethyl Ether	3.534	74	19533	18.65	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	33217	19.33	ug/l	98
10) Methyl Iodide	4.095	142	34429	16.74	ug/l	98
11) Tert butyl alcohol	4.966	59	19890	103.75	ug/l	97
12) 1,1-Dichloroethene	3.875	96	31615	18.60	ug/l	95
13) Acrolein	3.735	56	14377	67.46	ug/l	97
14) Allyl chloride	4.485	41	57815	17.79	ug/l	99
15) Acrylonitrile	5.168	53	52639	93.70	ug/l	99
16) Acetone	3.954	43	41090	86.98	ug/l	99
17) Carbon Disulfide	4.198	76	94009	17.97	ug/l	99
18) Methyl Acetate	4.485	43	25092	18.52	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	91810	17.98	ug/l	99
20) Methylene Chloride	4.722	84	44694	23.79	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	35620	18.52	ug/l	94
22) Diisopropyl ether	6.125	45	122506	17.83	ug/l	99
23) Vinyl Acetate	6.064	43	421287	90.08	ug/l	99
24) 1,1-Dichloroethane	6.021	63	63881	18.20	ug/l	99
25) 2-Butanone	6.996	43	68499	92.44	ug/l	98
26) 2,2-Dichloropropane	6.990	77	58722	18.65	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	38525	17.91	ug/l	100
28) Bromochloromethane	7.338	49	30049	18.84	ug/l	98
29) Tetrahydrofuran	7.356	42	49066	92.68	ug/l	100
30) Chloroform	7.509	83	63507	18.41	ug/l	97
31) Cyclohexane	7.783	56	63410	17.78	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	58528	18.70	ug/l	99
36) 1,1-Dichloropropene	7.923	75	51413	18.67	ug/l	100
37) Ethyl Acetate	7.082	43	35521	20.03	ug/l	99
38) Carbon Tetrachloride	7.905	117	46043	19.34	ug/l	98
39) Methylcyclohexane	9.185	83	61589	18.17	ug/l	99
40) Benzene	8.161	78	145107	18.75	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	20008m	18.62	ug/l	
42) 1,2-Dichloroethane	8.240	62	47103	19.40	ug/l	99
43) Isopropyl Acetate	8.277	43	64277	19.12	ug/l	100
44) Trichloroethene	8.941	130	40346	19.12	ug/l	97
45) 1,2-Dichloropropane	9.216	63	36914	18.48	ug/l	100
46) Dibromomethane	9.307	93	20767	19.10	ug/l	99
47) Bromodichloromethane	9.496	83	50284	19.10	ug/l	98
48) Methyl methacrylate	9.295	41	29375	18.98	ug/l	99
49) 1,4-Dioxane	9.301	88	5337	375.82	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	172835	100.09	ug/l	99
52) Toluene	10.246	92	91035	18.18	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	54041	18.61	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	61036	18.51	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	28447	18.99	ug/l	97
56) Ethyl methacrylate	10.508	69	39417	18.14	ug/l	97
57) 1,3-Dichloropropane	10.788	76	51162	19.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	118906	106.96	ug/l	100
59) 2-Hexanone	10.837	43	113194	97.79	ug/l	99
60) Dibromochloromethane	10.984	129	33942	19.06	ug/l	99
61) 1,2-Dibromoethane	11.087	107	28248	19.56	ug/l	98
64) Tetrachloroethene	10.721	164	43328	19.60	ug/l	99
65) Chlorobenzene	11.514	112	95681	18.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	33735	18.24	ug/l	98
67) Ethyl Benzene	11.593	91	172706	17.81	ug/l	99
68) m/p-Xylenes	11.703	106	130549	36.23	ug/l	98
69) o-Xylene	12.032	106	59098	17.50	ug/l	99
70) Styrene	12.044	104	99716	17.83	ug/l	99
71) Bromoform	12.209	173	20360	18.56	ug/l #	97
73) Isopropylbenzene	12.331	105	166998	17.37	ug/l	100
74) N-amyl acetate	12.142	43	57591	17.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	32590	17.91	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	23550m	17.63	ug/l	
77) Bromobenzene	12.611	156	38206	17.73	ug/l	97
78) n-propylbenzene	12.672	91	198009	17.43	ug/l	100
79) 2-Chlorotoluene	12.758	91	107806	17.35	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	138847	17.77	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	12960	17.36	ug/l	94
82) 4-Chlorotoluene	12.855	91	114796	17.50	ug/l	99
83) tert-Butylbenzene	13.075	119	114442	17.11	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	137711	17.46	ug/l	100
85) sec-Butylbenzene	13.251	105	164523	17.63	ug/l	100
86) p-Isopropyltoluene	13.373	119	148083	17.45	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	72058	17.90	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	71354	17.61	ug/l	98
89) n-Butylbenzene	13.696	91	143373	17.70	ug/l	99
90) Hexachloroethane	13.959	117	22115	19.42	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	63483	17.77	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5858	17.94	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	41480	17.56	ug/l	100
94) Hexachlorobutadiene	15.111	225	22883	18.55	ug/l	99
95) Naphthalene	15.239	128	88306	17.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36151	17.34	ug/l	99

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

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