

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060821\
 Data File : VY005012.D
 Acq On : 08 Jun 2021 11:10
 Operator : SY/MD
 Sample : VY0608SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0608SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:22:04 PM

Quant Time: Jun 09 03:47:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	214492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	358464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	324151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	118472	52.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.500%	
35) Dibromofluoromethane	7.722	113	104356	54.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.220%	
50) Toluene-d8	10.185	98	432064	53.943	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.880%	
62) 4-Bromofluorobenzene	12.483	95	141139	51.237	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	42919	22.035	ug/l	99
3) Chloromethane	2.119	50	59786	22.480	ug/l	99
4) Vinyl Chloride	2.253	62	54272	21.211	ug/l	96
5) Bromomethane	2.649	94	29922	20.634	ug/l	93
6) Chloroethane	2.796	64	32257	21.077	ug/l	99
7) Trichlorofluoromethane	3.131	101	75224	20.786	ug/l	95
8) Diethyl Ether	3.540	74	28858	20.538	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	46738	21.174	ug/l	99
10) Methyl Iodide	4.100	142	45599	21.640	ug/l	97
11) Tert butyl alcohol	4.972	59	21460	82.293	ug/l	95
12) 1,1-Dichloroethene	3.875	96	45231	20.519	ug/l	98
13) Acrolein	3.741	56	27116	96.759	ug/l	99
14) Allyl chloride	4.484	41	84259	20.965	ug/l	100
15) Acrylonitrile	5.173	53	67014	101.422	ug/l	98
16) Acetone	3.960	43	52330	95.867	ug/l	98
17) Carbon Disulfide	4.198	76	144894	21.375	ug/l	100
18) Methyl Acetate	4.484	43	35100	20.066	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	114606	20.197	ug/l	98
20) Methylene Chloride	4.722	84	63350	20.632	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	51584	20.847	ug/l	98
22) Diisopropyl ether	6.124	45	161764	21.925	ug/l	97
23) Vinyl Acetate	6.070	43	566162	105.470	ug/l	99
24) 1,1-Dichloroethane	6.027	63	95418	21.488	ug/l	99
25) 2-Butanone	6.996	43	92395	100.662	ug/l	97
26) 2,2-Dichloropropane	6.990	77	78317	20.867	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	57285	21.126	ug/l	99
28) Bromochloromethane	7.344	49	42522	21.436	ug/l	96
29) Tetrahydrofuran	7.356	42	58265	99.810	ug/l	97
30) Chloroform	7.514	83	91206	21.661	ug/l	99
31) Cyclohexane	7.789	56	82578	20.684	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	79884	21.627	ug/l	100
36) 1,1-Dichloropropene	7.923	75	72040	20.535	ug/l	100
37) Ethyl Acetate	7.082	43	44492	19.280	ug/l	98
38) Carbon Tetrachloride	7.905	117	63631	20.841	ug/l	98
39) Methylcyclohexane	9.185	83	79147	20.424	ug/l	99
40) Benzene	8.167	78	215399	21.459	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23866	18.812	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	60266	20.796	ug/l	100
43) Isopropyl Acetate	8.277	43	81538	19.681	ug/l	99
44) Trichloroethene	8.941	130	56620	21.552	ug/l	97
45) 1,2-Dichloropropane	9.221	63	56882	21.652	ug/l	96
46) Dibromomethane	9.307	93	29450	20.990	ug/l	99
47) Bromodichloromethane	9.502	83	70217	21.316	ug/l	99
48) Methyl methacrylate	9.295	41	36632	19.433	ug/l	99
49) 1,4-Dioxane	9.301	88	6028	355.856	ug/l #	92
51) 4-Methyl-2-Pentanone	10.075	43	214260	98.653	ug/l	99
52) Toluene	10.246	92	132456	21.808	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	74346	20.392	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	87944	21.231	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	42360	21.721	ug/l	97
56) Ethyl methacrylate	10.514	69	55632	19.926	ug/l	98
57) 1,3-Dichloropropane	10.794	76	72319	20.840	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	153553	108.832	ug/l	100
59) 2-Hexanone	10.837	43	144263	98.272	ug/l	98
60) Dibromochloromethane	10.989	129	47476	21.403	ug/l	100
61) 1,2-Dibromoethane	11.093	107	38891	20.793	ug/l	99
64) Tetrachloroethene	10.721	164	56836	20.969	ug/l	97
65) Chlorobenzene	11.520	112	134396	20.926	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	48249	21.073	ug/l	99
67) Ethyl Benzene	11.593	91	246738	20.788	ug/l	100
68) m/p-Xylenes	11.703	106	186388	41.913	ug/l	99
69) o-Xylene	12.032	106	85656	20.684	ug/l	100
70) Styrene	12.044	104	146337	21.209	ug/l	98
71) Bromoform	12.209	173	27514	20.381	ug/l #	100
73) Isopropylbenzene	12.331	105	229935	20.378	ug/l	99
74) N-amyl acetate	12.148	43	71527	19.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	44998	19.866	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	32678m	19.957	ug/l	
77) Bromobenzene	12.611	156	51710	20.510	ug/l	99
78) n-propylbenzene	12.672	91	284491	20.917	ug/l	99
79) 2-Chlorotoluene	12.757	91	155233	20.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	193131	20.747	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	16953	19.027	ug/l	98
82) 4-Chlorotoluene	12.855	91	161312	20.820	ug/l	100
83) tert-Butylbenzene	13.074	119	164124	20.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	192571	20.816	ug/l	99
85) sec-Butylbenzene	13.257	105	237156	20.688	ug/l	100
86) p-Isopropyltoluene	13.373	119	203793	20.724	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	100125	20.862	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	99162	20.716	ug/l	99
89) n-Butylbenzene	13.696	91	199493	21.092	ug/l	98
90) Hexachloroethane	13.964	117	30768	21.080	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	88167	20.792	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7038	18.766	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	52879	19.857	ug/l	99
94) Hexachlorobutadiene	15.117	225	28843	20.529	ug/l	99
95) Naphthalene	15.239	128	109937	18.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	46413	19.797	ug/l	99

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

