

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005566.D
 Acq On : 06 Aug 2021 12:15
 Operator : SY/MD
 Sample : VY0806SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0806SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2021 6:27:31 PM

Quant Time: Aug 07 06:17:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	314468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	455890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	405082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	209246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	151901	47.72	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.44%		
35) Dibromofluoromethane	7.728	113	129125	50.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.18%		
50) Toluene-d8	10.185	98	533052	49.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.60%		
62) 4-Bromofluorobenzene	12.483	95	175769	49.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	61662	23.87	ug/l	94
3) Chloromethane	2.119	50	67854	21.99	ug/l	100
4) Vinyl Chloride	2.260	62	82743	22.39	ug/l	99
5) Bromomethane	2.656	94	54143	22.26	ug/l	98
6) Chloroethane	2.802	64	51079	22.90	ug/l	95
7) Trichlorofluoromethane	3.137	101	113608	22.96	ug/l	97
8) Diethyl Ether	3.534	74	38827	22.47	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	66012	24.60	ug/l	97
10) Methyl Iodide	4.101	142	74991	22.43	ug/l	97
11) Tert butyl alcohol	4.972	59	30425	96.69	ug/l	98
12) 1,1-Dichloroethene	3.887	96	63659	23.49	ug/l	98
13) Acrolein	3.741	56	17637	92.89	ug/l	99
14) Allyl chloride	4.491	41	110589	23.30	ug/l	98
15) Acrylonitrile	5.180	53	91271	103.06	ug/l	99
16) Acetone	3.954	43	84705	105.54	ug/l	99
17) Carbon Disulfide	4.204	76	201151	24.08	ug/l	98
18) Methyl Acetate	4.491	43	41405	19.73	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	180841	21.54	ug/l	97
20) Methylene Chloride	4.729	84	99754	28.79	ug/l	93
21) trans-1,2-Dichloroethene	5.235	96	70797	23.37	ug/l	96
22) Diisopropyl ether	6.131	45	229560	23.44	ug/l	99
23) Vinyl Acetate	6.070	43	704117	108.05	ug/l	100
24) 1,1-Dichloroethane	6.027	63	129141	23.80	ug/l	99
25) 2-Butanone	6.996	43	108035	91.07	ug/l	97
26) 2,2-Dichloropropane	6.996	77	106277	21.43	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	70030	20.32	ug/l	96
28) Bromochloromethane	7.344	49	49831	23.01	ug/l	95
29) Tetrahydrofuran	7.356	42	68828	87.72	ug/l	99
30) Chloroform	7.515	83	114135	20.61	ug/l	98
31) Cyclohexane	7.789	56	114515	20.97	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	106144	20.85	ug/l	100
36) 1,1-Dichloropropene	7.923	75	92190	21.56	ug/l	99
37) Ethyl Acetate	7.082	43	48437	18.70	ug/l	99
38) Carbon Tetrachloride	7.905	117	96437	20.75	ug/l	98
39) Methylcyclohexane	9.185	83	117044	21.52	ug/l	98
40) Benzene	8.167	78	254611	20.79	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	30185m	21.48	ug/l	
42) 1,2-Dichloroethane	8.246	62	79270	19.96	ug/l	100
43) Isopropyl Acetate	8.283	43	92103	18.78	ug/l	99
44) Trichloroethene	8.947	130	70290	21.03	ug/l	98
45) 1,2-Dichloropropane	9.222	63	65325	21.32	ug/l	98
46) Dibromomethane	9.313	93	33821	19.97	ug/l	97
47) Bromodichloromethane	9.502	83	86972	20.52	ug/l	99
48) Methyl methacrylate	9.301	41	41264	18.62	ug/l	96
49) 1,4-Dioxane	9.313	88	8465	359.60	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	234085	90.63	ug/l	100
52) Toluene	10.246	92	160933	20.61	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	94644	19.98	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	106446	20.70	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	48231	19.68	ug/l	99
56) Ethyl methacrylate	10.514	69	70647	19.25	ug/l	98
57) 1,3-Dichloropropane	10.795	76	86789	20.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	165604	94.44	ug/l	98
59) 2-Hexanone	10.837	43	166417	91.16	ug/l	98
60) Dibromochloromethane	10.990	129	59551	19.63	ug/l	99
61) 1,2-Dibromoethane	11.093	107	45634	19.66	ug/l	99
64) Tetrachloroethene	10.721	164	66454	21.55	ug/l	99
65) Chlorobenzene	11.520	112	170929	20.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	62799	20.47	ug/l	99
67) Ethyl Benzene	11.593	91	313868	21.23	ug/l	98
68) m/p-Xylenes	11.703	106	238738	41.58	ug/l	97
69) o-Xylene	12.032	106	113771	20.62	ug/l	99
70) Styrene	12.044	104	190988	20.56	ug/l	98
71) Bromoform	12.209	173	38548	19.37	ug/l #	100
73) Isopropylbenzene	12.331	105	306978	21.02	ug/l	98
74) N-amyl acetate	12.148	43	83307	18.95	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	54168	19.28	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	38828m	17.91	ug/l	
77) Bromobenzene	12.611	156	72076	20.09	ug/l	96
78) n-propylbenzene	12.672	91	371898	21.44	ug/l	99
79) 2-Chlorotoluene	12.758	91	205370	21.08	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	253733	20.93	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20223	18.80	ug/l	98
82) 4-Chlorotoluene	12.855	91	211480	20.98	ug/l	100
83) tert-Butylbenzene	13.075	119	225496	20.73	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	252333	21.10	ug/l	99
85) sec-Butylbenzene	13.251	105	333477	21.26	ug/l	100
86) p-Isopropyltoluene	13.367	119	283348	21.04	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	143853	20.54	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	143977	20.73	ug/l	98
89) n-Butylbenzene	13.697	91	263679	21.61	ug/l	99
90) Hexachloroethane	13.959	117	51480	21.26	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	126259	20.41	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9392	17.64	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	89339	21.03	ug/l	100
94) Hexachlorobutadiene	15.111	225	58357	21.21	ug/l	99
95) Naphthalene	15.239	128	161003	19.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	76521	20.33	ug/l	100

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

