

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100821\
 Data File : VY006330.D
 Acq On : 07 Oct 2021 14:44
 Operator : SY/MD
 Sample : VY1008SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2021 6:04:03 PM

Quant Time: Oct 08 07:10:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	154624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	236324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	77923	47.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.18%		
35) Dibromofluoromethane	7.722	113	58538	46.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.72%		
50) Toluene-d8	10.185	98	244562	46.28	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.56%		
62) 4-Bromofluorobenzene	12.483	95	82926	46.20	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.40%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	31445	20.05	ug/l	99
3) Chloromethane	2.119	50	34175	18.71	ug/l	96
4) Vinyl Chloride	2.253	62	39374	19.45	ug/l	99
5) Bromomethane	2.643	94	33780	25.67	ug/l	97
6) Chloroethane	2.796	64	24179	20.30	ug/l	99
7) Trichlorofluoromethane	3.131	101	53385	20.02	ug/l	97
8) Diethyl Ether	3.534	74	16387	18.60	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	26766	18.80	ug/l	97
10) Methyl Iodide	4.100	142	14126	9.10	ug/l	95
11) Tert butyl alcohol	4.960	59	13886	95.92	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	27296	18.85	ug/l	87
13) Acrolein	3.735	56	4931	62.99	ug/l	100
14) Allyl chloride	4.485	41	50936	18.29	ug/l	98
15) Acrylonitrile	5.173	53	42869	92.53	ug/l	99
16) Acetone	3.954	43	41055	88.82	ug/l	98
17) Carbon Disulfide	4.198	76	88689	18.31	ug/l	100
18) Methyl Acetate	4.478	43	29330	18.82	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	79425	18.78	ug/l	97
20) Methylene Chloride	4.722	84	36613	20.79	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	30755	19.16	ug/l	93
22) Diisopropyl ether	6.125	45	100372	18.22	ug/l	96
23) Vinyl Acetate	6.070	43	294834	89.28	ug/l	97
24) 1,1-Dichloroethane	6.027	63	54471	18.42	ug/l	99
25) 2-Butanone	6.990	43	56448	87.67	ug/l	92
26) 2,2-Dichloropropane	6.990	77	53356	19.73	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	34069	18.95	ug/l	95
28) Bromochloromethane	7.344	49	21262	17.26	ug/l	86
29) Tetrahydrofuran	7.356	42	35775	87.96	ug/l	93
30) Chloroform	7.515	83	57321	19.43	ug/l	99
31) Cyclohexane	7.789	56	54546	17.40	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	53535	19.65	ug/l	98
36) 1,1-Dichloropropene	7.923	75	43076	18.32	ug/l	96
37) Ethyl Acetate	7.082	43	25847	18.87	ug/l	99
38) Carbon Tetrachloride	7.905	117	48937	19.71	ug/l	98
39) Methylcyclohexane	9.185	83	53698	18.18	ug/l	97
40) Benzene	8.167	78	125741	18.85	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	17812m	20.05	ug/l	
42) 1,2-Dichloroethane	8.240	62	42919	19.97	ug/l	96
43) Isopropyl Acetate	8.277	43	46049	17.53	ug/l	93
44) Trichloroethene	8.947	130	34402	19.97	ug/l	98
45) 1,2-Dichloropropane	9.222	63	30054	18.30	ug/l	98
46) Dibromomethane	9.307	93	16609	18.99	ug/l	96
47) Bromodichloromethane	9.502	83	42632	18.93	ug/l	93
48) Methyl methacrylate	9.295	41	22082	17.52	ug/l	95
49) 1,4-Dioxane	9.301	88	3953	346.48	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	122710	89.96	ug/l	97
52) Toluene	10.246	92	79598	19.24	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	46358	18.88	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	51295	19.01	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	23308	18.94	ug/l	97
56) Ethyl methacrylate	10.514	69	34007	18.18	ug/l	93
57) 1,3-Dichloropropane	10.794	76	41264	18.53	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	83460	91.08	ug/l	97
59) 2-Hexanone	10.831	43	87191	89.74	ug/l	97
60) Dibromochloromethane	10.983	129	29018	19.41	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21751	18.67	ug/l	100
64) Tetrachloroethene	10.721	164	37041	21.00	ug/l	95
65) Chlorobenzene	11.514	112	82143	18.93	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	30514	19.08	ug/l	98
67) Ethyl Benzene	11.593	91	154676	18.91	ug/l	98
68) m/p-Xylenes	11.703	106	119474	38.50	ug/l	96
69) o-Xylene	12.032	106	56315	19.21	ug/l	96
70) Styrene	12.044	104	95959	19.28	ug/l	98
71) Bromoform	12.209	173	19108	19.22	ug/l #	98
73) Isopropylbenzene	12.331	105	149821	18.44	ug/l	100
74) N-amyl acetate	12.142	43	43346	17.19	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	24534	16.72	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	21607m	19.60	ug/l	
77) Bromobenzene	12.611	156	36388	19.10	ug/l	92
78) n-propylbenzene	12.672	91	183164	18.31	ug/l	99
79) 2-Chlorotoluene	12.757	91	100953	18.24	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	125855	18.53	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	10302	18.36	ug/l	97
82) 4-Chlorotoluene	12.855	91	106287	18.57	ug/l	100
83) tert-Butylbenzene	13.074	119	107913	18.58	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	126794	18.90	ug/l	100
85) sec-Butylbenzene	13.251	105	162656	18.53	ug/l	99
86) p-Isopropyltoluene	13.367	119	140288	18.94	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	71572	18.96	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	70911	19.05	ug/l	99
89) n-Butylbenzene	13.696	91	127793	18.16	ug/l	99
90) Hexachloroethane	13.958	117	24808	18.44	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	62676	18.99	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5191	18.57	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	42187	19.34	ug/l	98
94) Hexachlorobutadiene	15.111	225	26825	18.85	ug/l	98
95) Naphthalene	15.233	128	75518	17.43	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	34966	18.09	ug/l	97

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

