

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101221\
 Data File : VY006373.D
 Acq On : 12 Oct 2021 11:56
 Operator : SY/MD
 Sample : VY1012SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1012SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 6:22:31 PM

Quant Time: Oct 13 07:53:36 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	7.844	168	115477	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.722	114	175480	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	162629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.185	65	65596	53.074	ug/l	0.04
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.140%			
35) Dibromofluoromethane	7.771	113	48857	52.113	ug/l	0.05
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.220%			
50) Toluene-d8	10.197	98	198268	50.531	ug/l	0.01
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.060%			
62) 4-Bromofluorobenzene	12.483	95	70270	52.718	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.022	85	25239m	21.547	ug/l	
3) Chloromethane	2.296	50	34256m	25.109	ug/l	
4) Vinyl Chloride	2.375	62	35556m	23.515	ug/l	
5) Bromomethane	2.778	94	26604	27.073	ug/l	99
6) Chloroethane	2.918	64	19442m	21.853	ug/l	
7) Trichlorofluoromethane	3.253	101	43906	22.045	ug/l	91
8) Diethyl Ether	3.643	74	14408	21.902	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.021	101	23793	22.379	ug/l	96
10) Methyl Iodide	4.216	142	16443m	14.191	ug/l	
11) Tert butyl alcohol	5.064	59	11948	110.513	ug/l #	92
12) 1,1-Dichloroethene	3.997	96	22426	20.735	ug/l	93
13) Acrolein	3.851	56	4086	67.862	ug/l	98
14) Allyl chloride	4.601	41	44257	21.278	ug/l	94
15) Acrylonitrile	5.271	53	38382	110.933	ug/l	98
16) Acetone	4.076	43	30180	87.428	ug/l	98
17) Carbon Disulfide	4.320	76	73209	20.239	ug/l	99
18) Methyl Acetate	4.594	43	25706	22.084	ug/l	97
19) Methyl tert-butyl Ether	5.326	73	70123	22.202	ug/l	99
20) Methylene Chloride	4.844	84	26714	20.220	ug/l	92
21) trans-1,2-Dichloroethene	5.332	96	25529	21.291	ug/l	95
22) Diisopropyl ether	6.210	45	88206	21.436	ug/l	94
23) Vinyl Acetate	6.149	43	265400	107.606	ug/l	97
24) 1,1-Dichloroethane	6.112	63	47886	21.677	ug/l	98
25) 2-Butanone	7.057	43	48860	101.611	ug/l #	89
26) 2,2-Dichloropropane	7.051	77	45984	22.763	ug/l	98
27) cis-1,2-Dichloroethene	7.057	96	29008	21.601	ug/l	97
28) Bromochloromethane	7.399	49	19150	20.820	ug/l	89
29) Tetrahydrofuran	7.405	42	32801	107.993	ug/l	96
30) Chloroform	7.563	83	49152	22.305	ug/l	97
31) Cyclohexane	7.838	56	47581	20.320	ug/l	98
32) 1,1,1-Trichloroethane	7.752	97	46678	22.941	ug/l	98
36) 1,1-Dichloropropene	7.966	75	38326	21.952	ug/l	100
37) Ethyl Acetate	7.137	43	21886	21.518	ug/l	99
38) Carbon Tetrachloride	7.947	117	42406	23.002	ug/l	97
39) Methylcyclohexane	9.209	83	46078	21.011	ug/l	99
40) Benzene	8.204	78	107833	21.770	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.374	41	12880	19.522	ug/l #	36
42) 1,2-Dichloroethane	8.277	62	37475	23.481	ug/l	97
43) Isopropyl Acetate	8.307	43	42958	22.021	ug/l	96
44) Trichloroethene	8.966	130	28645	22.391	ug/l	94
45) 1,2-Dichloropropane	9.246	63	26614	21.825	ug/l	97
46) Dibromomethane	9.331	93	14113	21.735	ug/l	93
47) Bromodichloromethane	9.520	83	38807	23.211	ug/l	100
48) Methyl methacrylate	9.313	41	19231	20.549	ug/l	93
49) 1,4-Dioxane	9.331	88	3955	466.849	ug/l	97
51) 4-Methyl-2-Pentanone	10.087	43	111413	109.993	ug/l	98
52) Toluene	10.264	92	67309	21.908	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	40989	22.486	ug/l	98
54) cis-1,3-Dichloropropene	9.947	75	44463	22.187	ug/l	99
55) 1,1,2-Trichloroethane	10.660	97	20567	22.511	ug/l	98
56) Ethyl methacrylate	10.520	69	29426	21.189	ug/l	93
57) 1,3-Dichloropropane	10.801	76	36786	22.251	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.801	63	70823	104.084	ug/l	96
59) 2-Hexanone	10.843	43	79358	110.002	ug/l	98
60) Dibromochloromethane	10.996	129	26000	23.423	ug/l	98
61) 1,2-Dibromoethane	11.099	107	19422	22.451	ug/l	100
64) Tetrachloroethene	10.734	164	27840	21.256	ug/l	97
65) Chlorobenzene	11.526	112	71208	22.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	27286	22.978	ug/l	99
67) Ethyl Benzene	11.599	91	130510	21.487	ug/l	99
68) m/p-Xylenes	11.709	106	101586	44.074	ug/l	97
69) o-Xylene	12.038	106	48009	22.054	ug/l	94
70) Styrene	12.050	104	82754	22.385	ug/l	98
71) Bromoform	12.215	173	17463	23.647	ug/l #	99
73) Isopropylbenzene	12.337	105	127348	19.902	ug/l	99
74) N-amyl acetate	12.148	43	38213	19.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	24494	21.195	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18179m	20.938	ug/l	
77) Bromobenzene	12.611	156	31271	20.844	ug/l	95
78) n-propylbenzene	12.672	91	157733	20.026	ug/l	97
79) 2-Chlorotoluene	12.764	91	89707	20.582	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	112289	20.987	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	9212	20.850	ug/l	98
82) 4-Chlorotoluene	12.861	91	93289	20.694	ug/l	98
83) tert-Butylbenzene	13.081	119	97727	21.364	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	110244	20.867	ug/l	98
85) sec-Butylbenzene	13.257	105	143149	20.708	ug/l	97
86) p-Isopropyltoluene	13.373	119	123948	21.248	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	64985	21.863	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	64050	21.854	ug/l	98
89) n-Butylbenzene	13.696	91	116389	20.998	ug/l	99
90) Hexachloroethane	13.965	117	22880	21.598	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	59022	22.708	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5104	23.183	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	41450	24.133	ug/l	100
94) Hexachlorobutadiene	15.111	225	26046	23.245	ug/l	98
95) Naphthalene	15.239	128	78945	23.134	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	37632	24.721	ug/l	99

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

