

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093021\
 Data File : VY006232.D
 Acq On : 30 Sep 2021 12:09
 Operator : SY/MD
 Sample : VY0930SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:02:07 AM

Quant Time: Sep 30 16:54:57 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	161501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	247217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	228109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	85295	49.345	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.700%		
35) Dibromofluoromethane	7.722	113	64718	49.000	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.000%		
50) Toluene-d8	10.185	98	269372	48.731	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.483	95	90755	48.329	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	31180	19.034	ug/l	99
3) Chloromethane	2.119	50	36077	18.908	ug/l	96
4) Vinyl Chloride	2.260	62	42101	19.909	ug/l	98
5) Bromomethane	2.656	94	31498	22.919	ug/l	95
6) Chloroethane	2.802	64	25824	20.754	ug/l	97
7) Trichlorofluoromethane	3.131	101	56591	20.317	ug/l	98
8) Diethyl Ether	3.540	74	17611	19.142	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	29127	19.589	ug/l	96
10) Methyl Iodide	4.101	142	25871	15.965	ug/l	97
11) Tert butyl alcohol	4.954	59	12859	85.044	ug/l	97
12) 1,1-Dichloroethene	3.881	96	29694	19.631	ug/l	95
13) Acrolein	3.729	56	5477	65.810	ug/l	92
14) Allyl chloride	4.491	41	54343	18.682	ug/l	97
15) Acrylonitrile	5.168	53	44115	91.168	ug/l	100
16) Acetone	3.961	43	38319	79.371	ug/l	100
17) Carbon Disulfide	4.204	76	96182	19.013	ug/l	100
18) Methyl Acetate	4.485	43	30147	18.519	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	82464	18.668	ug/l	97
20) Methylene Chloride	4.723	84	32553	17.097	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	32560	19.416	ug/l	99
22) Diisopropyl ether	6.125	45	108818	18.909	ug/l	96
23) Vinyl Acetate	6.070	43	308201	89.349	ug/l	98
24) 1,1-Dichloroethane	6.027	63	59093	19.127	ug/l	99
25) 2-Butanone	6.997	43	54740	81.397	ug/l	100
26) 2,2-Dichloropropane	6.990	77	53743	19.023	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	36439	19.402	ug/l	95
28) Bromochloromethane	7.338	49	25442	19.778	ug/l	91
29) Tetrahydrofuran	7.356	42	36214	85.252	ug/l	93
30) Chloroform	7.515	83	60128	19.510	ug/l	98
31) Cyclohexane	7.789	56	59658	18.217	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	55669	19.563	ug/l	98
36) 1,1-Dichloropropene	7.923	75	45967	18.688	ug/l	98
37) Ethyl Acetate	7.082	43	25824	18.022	ug/l	97
38) Carbon Tetrachloride	7.905	117	50705	19.522	ug/l	95
39) Methylcyclohexane	9.185	83	56592	18.317	ug/l	98
40) Benzene	8.167	78	135052	19.353	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	15706m	16.898	ug/l	
42) 1,2-Dichloroethane	8.240	62	44814	19.931	ug/l	97
43) Isopropyl Acetate	8.277	43	48750	17.739	ug/l	95
44) Trichloroethene	8.941	130	36175	20.072	ug/l	96
45) 1,2-Dichloropropane	9.222	63	32318	18.812	ug/l	94
46) Dibromomethane	9.313	93	17223	18.828	ug/l	93
47) Bromodichloromethane	9.502	83	45957	19.512	ug/l	98
48) Methyl methacrylate	9.295	41	23319	17.687	ug/l	97
49) 1,4-Dioxane	9.295	88	4041	338.585	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	124280	87.092	ug/l	96
52) Toluene	10.246	92	85670	19.792	ug/l	96
53) t-1,3-Dichloropropene	10.472	75	48085	18.724	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	53441	18.929	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	24393	18.951	ug/l	97
56) Ethyl methacrylate	10.514	69	34686	17.729	ug/l	95
57) 1,3-Dichloropropane	10.795	76	44283	19.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	91119	95.054	ug/l	96
59) 2-Hexanone	10.837	43	86606	85.213	ug/l	96
60) Dibromochloromethane	10.990	129	31145	19.916	ug/l	100
61) 1,2-Dibromoethane	11.093	107	23200	19.036	ug/l	98
64) Tetrachloroethene	10.721	164	39379	21.436	ug/l	96
65) Chlorobenzene	11.520	112	88380	19.555	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	32804	19.695	ug/l	99
67) Ethyl Benzene	11.593	91	163960	19.245	ug/l	99
68) m/p-Xylenes	11.703	106	127149	39.329	ug/l	96
69) o-Xylene	12.032	106	60642	19.861	ug/l	95
70) Styrene	12.044	104	101696	19.613	ug/l	98
71) Bromoform	12.209	173	19860	19.173	ug/l #	100
73) Isopropylbenzene	12.331	105	160614	19.246	ug/l	99
74) N-amyl acetate	12.148	43	44302	17.104	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	25271	16.767	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19916m	17.588	ug/l	
77) Bromobenzene	12.611	156	38656	19.756	ug/l	91
78) n-propylbenzene	12.672	91	192754	18.764	ug/l	98
79) 2-Chlorotoluene	12.758	91	108987	19.173	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	135862	19.470	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	10112	17.549	ug/l	99
82) 4-Chlorotoluene	12.855	91	113781	19.353	ug/l	100
83) tert-Butylbenzene	13.075	119	118010	19.781	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	133598	19.389	ug/l	99
85) sec-Butylbenzene	13.258	105	175792	19.498	ug/l	99
86) p-Isopropyltoluene	13.373	119	147062	19.330	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	75118	19.377	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	75329	19.707	ug/l	99
89) n-Butylbenzene	13.697	91	135933	18.804	ug/l	100
90) Hexachloroethane	13.965	117	26182	18.950	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	66941	19.748	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5019	17.479	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	43283	19.323	ug/l	99
94) Hexachlorobutadiene	15.117	225	28433	19.457	ug/l	99
95) Naphthalene	15.239	128	79886	17.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	38327	19.305	ug/l	99

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

