

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101021\
 Data File : VY006359.D
 Acq On : 08 Oct 2021 16:25
 Operator : SY/MD
 Sample : VY1010SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1010SBS01

Manual Integrations
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 10/15/2021 8:47:10 AM

Quant Time: Oct 11 03:19:00 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	139364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	196506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72221	48.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.840%
35) Dibromofluoromethane	7.722	113	52688	46.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.400%
50) Toluene-d8	10.185	98	220122	46.117	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.240%
62) 4-Bromofluorobenzene	12.483	95	76721	47.315	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31344	22.173	ug/l	100
3) Chloromethane	2.113	50	38743	23.530	ug/l	96
4) Vinyl Chloride	2.253	62	44625	24.455	ug/l	99
5) Bromomethane	2.644	94	29671	25.019	ug/l	92
6) Chloroethane	2.796	64	23147	21.558	ug/l	97
7) Trichlorofluoromethane	3.125	101	51585	21.461	ug/l	96
8) Diethyl Ether	3.534	74	16025	20.185	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	25942	20.218	ug/l	99
10) Methyl Iodide	4.101	142	18435	13.183	ug/l	97
11) Tert butyl alcohol	4.966	59	13361	102.401	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	25591	19.606	ug/l	93
13) Acrolein	3.729	56	4939	67.940	ug/l	96
14) Allyl chloride	4.485	41	49991	19.916	ug/l	99
15) Acrylonitrile	5.168	53	42523	101.836	ug/l	99
16) Acetone	3.954	43	42021	100.865	ug/l	95
17) Carbon Disulfide	4.198	76	86454	19.804	ug/l	99
18) Methyl Acetate	4.479	43	29280	20.843	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	76015	19.942	ug/l	99
20) Methylene Chloride	4.716	84	45146	29.934	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	28780	19.888	ug/l	97
22) Diisopropyl ether	6.125	45	99671	20.071	ug/l	96
23) Vinyl Acetate	6.064	43	296582	99.638	ug/l	97
24) 1,1-Dichloroethane	6.021	63	53540	20.083	ug/l	99
25) 2-Butanone	6.990	43	57758	99.527	ug/l	94
26) 2,2-Dichloropropane	6.990	77	51554	21.146	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	32056	19.779	ug/l	98
28) Bromochloromethane	7.338	49	23247	20.942	ug/l	94
29) Tetrahydrofuran	7.356	42	36469	99.490	ug/l	96
30) Chloroform	7.509	83	55249	20.775	ug/l	98
31) Cyclohexane	7.789	56	53644	18.983	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	51796	21.093	ug/l	99
36) 1,1-Dichloropropene	7.923	75	41844	19.701	ug/l	99
37) Ethyl Acetate	7.082	43	24456	19.766	ug/l	99
38) Carbon Tetrachloride	7.905	117	47863	21.341	ug/l	95
39) Methylcyclohexane	9.185	83	52997	19.865	ug/l	99
40) Benzene	8.167	78	121742	20.204	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15786	19.669	ug/l #	36
42) 1,2-Dichloroethane	8.240	62	41272	21.258	ug/l	97
43) Isopropyl Acetate	8.277	43	47469	20.003	ug/l	97
44) Trichloroethene	8.941	130	32074	20.609	ug/l	95
45) 1,2-Dichloropropane	9.216	63	29293	19.747	ug/l	99
46) Dibromomethane	9.307	93	16021	20.282	ug/l	99
47) Bromodichloromethane	9.502	83	42261	20.779	ug/l	92
48) Methyl methacrylate	9.295	41	22137	19.444	ug/l	98
49) 1,4-Dioxane	9.301	88	4084	396.282	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	122568	99.471	ug/l	98
52) Toluene	10.246	92	75577	20.221	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	44588	20.107	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	48827	20.029	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	22200	19.974	ug/l	98
56) Ethyl methacrylate	10.514	69	32520	19.250	ug/l	98
57) 1,3-Dichloropropane	10.795	76	40114	19.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	83788	101.224	ug/l	98
59) 2-Hexanone	10.837	43	90116	102.683	ug/l	99
60) Dibromochloromethane	10.990	129	27772	20.566	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20728	19.696	ug/l	99
64) Tetrachloroethene	10.721	164	35798	22.620	ug/l	97
65) Chlorobenzene	11.520	112	78007	20.035	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	29029	20.232	ug/l	100
67) Ethyl Benzene	11.593	91	146004	19.894	ug/l	100
68) m/p-Xylenes	11.703	106	112692	40.464	ug/l	98
69) o-Xylene	12.032	106	52721	20.044	ug/l	98
70) Styrene	12.044	104	90839	20.336	ug/l	99
71) Bromoform	12.209	173	18170	20.363	ug/l #	97
73) Isopropylbenzene	12.331	105	143209	19.760	ug/l	100
74) N-amyl acetate	12.142	43	43399	19.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	23045	17.607	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	21654m	22.020	ug/l	
77) Bromobenzene	12.611	156	33311	19.604	ug/l	97
78) n-propylbenzene	12.672	91	178291	19.986	ug/l	99
79) 2-Chlorotoluene	12.758	91	98277	19.908	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	120975	19.963	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9628	19.240	ug/l	97
82) 4-Chlorotoluene	12.855	91	103023	20.178	ug/l	98
83) tert-Butylbenzene	13.075	119	104041	20.082	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	118860	19.863	ug/l	99
85) sec-Butylbenzene	13.258	105	157819	20.157	ug/l	100
86) p-Isopropyltoluene	13.367	119	134109	20.298	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	67591	20.077	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	67369	20.295	ug/l	99
89) n-Butylbenzene	13.696	91	125357	19.968	ug/l	100
90) Hexachloroethane	13.959	117	24022	20.021	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	59269	20.133	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4855	19.470	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	38656	19.871	ug/l	98
94) Hexachlorobutadiene	15.111	225	25495	20.090	ug/l	99
95) Naphthalene	15.239	128	70239	18.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	32884	19.073	ug/l	98

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

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