

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091421\
 Data File : VY006002.D
 Acq On : 14 Sep 2021 12:12
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/15/2021 5:41:09 PM

Quant Time: Sep 15 04:29:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 04:26:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	139711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	210145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	198809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	288400	148.792	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 297.580%#	
35) Dibromofluoromethane	7.728	113	205680	158.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 316.980%#	
50) Toluene-d8	10.185	98	890821	161.180	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 322.360%#	
62) 4-Bromofluorobenzene	12.483	95	296228	158.504	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 317.000%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	219643	149.599	ug/l	100
3) Chloromethane	2.119	50	300313	163.742	ug/l	97
4) Vinyl Chloride	2.259	62	325396	156.683	ug/l	98
5) Bromomethane	2.637	94	188646	136.457	ug/l	97
6) Chloroethane	2.790	64	181672	143.699	ug/l	100
7) Trichlorofluoromethane	3.131	101	390667	141.960	ug/l	97
8) Diethyl Ether	3.534	74	130440	142.499	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	198531	147.815	ug/l	99
10) Methyl Iodide	4.101	142	237925	165.797	ug/l	99
11) Tert butyl alcohol	4.972	59	144176	412.418	ug/l	98
12) 1,1-Dichloroethene	3.881	96	204979	147.398	ug/l	99
13) Acrolein	3.735	56	80285	683.418	ug/l	98
14) Allyl chloride	4.491	41	443478	148.358	ug/l	99
15) Acrylonitrile	5.180	53	360345	704.288	ug/l	100
16) Acetone	3.954	43	352447	676.832	ug/l	100
17) Carbon Disulfide	4.198	76	673513	144.044	ug/l	99
18) Methyl Acetate	4.485	43	184211	138.815	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	666288	147.124	ug/l	98
20) Methylene Chloride	4.728	84	230065	119.553	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	233389	148.626	ug/l	99
22) Diisopropyl ether	6.131	45	857164	147.832	ug/l	96
23) Vinyl Acetate	6.070	43	2712698	739.561	ug/l	99
24) 1,1-Dichloroethane	6.027	63	438527	148.098	ug/l	99
25) 2-Butanone	6.996	43	519135	716.725	ug/l	96
26) 2,2-Dichloropropane	6.990	77	405220	143.794	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	264018	150.161	ug/l	99
28) Bromochloromethane	7.344	49	198789	153.818	ug/l	99
29) Tetrahydrofuran	7.356	42	325932	707.788	ug/l	99
30) Chloroform	7.515	83	439352	147.400	ug/l	99
31) Cyclohexane	7.789	56	436870	140.135	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	416659	149.302	ug/l	99
36) 1,1-Dichloropropene	7.923	75	348046	153.633	ug/l	100
37) Ethyl Acetate	7.082	43	219184	138.657	ug/l	99
38) Carbon Tetrachloride	7.905	117	375224	150.204	ug/l	99
39) Methylcyclohexane	9.185	83	437313	155.272	ug/l	99
40) Benzene	8.167	78	994458	153.153	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	132977m	134.846	ug/l	
42) 1,2-Dichloroethane	8.246	62	339704	146.353	ug/l	99
43) Isopropyl Acetate	8.283	43	437016	148.006	ug/l	100
44) Trichloroethene	8.947	130	245497	150.406	ug/l	95
45) 1,2-Dichloropropane	9.222	63	243923	151.256	ug/l	96
46) Dibromomethane	9.313	93	131412	151.671	ug/l	99
47) Bromodichloromethane	9.502	83	344409	151.700	ug/l	98
48) Methyl methacrylate	9.295	41	206678	151.016	ug/l	99
49) 1,4-Dioxane	9.307	88	35004	3217.497	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	1127430	722.296	ug/l	99
52) Toluene	10.246	92	627106	155.877	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	384038	154.215	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	406955	152.429	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	181994	150.183	ug/l	99
56) Ethyl methacrylate	10.514	69	295360	153.558	ug/l	100
57) 1,3-Dichloropropane	10.794	76	332829	150.067	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	736494	737.598	ug/l	100
59) 2-Hexanone	10.837	43	790171	731.450	ug/l	100
60) Dibromochloromethane	10.990	129	226081	150.858	ug/l	99
61) 1,2-Dibromoethane	11.093	107	171189	151.054	ug/l	100
64) Tetrachloroethene	10.721	164	236145	143.714	ug/l	98
65) Chlorobenzene	11.520	112	636178	149.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	241817	152.552	ug/l	99
67) Ethyl Benzene	11.593	91	1269883	156.892	ug/l	99
68) m/p-Xylenes	11.703	106	951584	311.065	ug/l	100
69) o-Xylene	12.032	106	447923	154.877	ug/l	100
70) Styrene	12.044	104	772966	155.495	ug/l	100
71) Bromoform	12.209	173	148197	148.146	ug/l #	100
73) Isopropylbenzene	12.331	105	1173830	159.476	ug/l	99
74) N-amyl acetate	12.148	43	392266	153.249	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	207863	150.159	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	149052m	173.906	ug/l	
77) Bromobenzene	12.611	156	270099	156.100	ug/l	100
78) n-propylbenzene	12.672	91	1438975	158.233	ug/l	100
79) 2-Chlorotoluene	12.758	91	793097	156.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	981312	156.726	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	81696	148.031	ug/l	98
82) 4-Chlorotoluene	12.855	91	816485	156.318	ug/l	99
83) tert-Butylbenzene	13.075	119	834372	156.704	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	985352	159.238	ug/l	100
85) sec-Butylbenzene	13.257	105	1251622	155.999	ug/l	100
86) p-Isopropyltoluene	13.373	119	1080904	158.979	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	534874	156.965	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	515271	151.864	ug/l	98
89) n-Butylbenzene	13.696	91	1010382	157.366	ug/l	100
90) Hexachloroethane	13.959	117	194437	156.778	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	459619	152.317	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	41304	145.457	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	311549	158.828	ug/l	100
94) Hexachlorobutadiene	15.111	225	192014	152.889	ug/l	99
95) Naphthalene	15.239	128	625529	158.625	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	269903	157.378	ug/l	99

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

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