

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006186.D
 Acq On : 28 Sep 2021 13:54
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:33:22 PM

Quant Time: Sep 28 17:31:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:25:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	191595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	290769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	266095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	292006	139.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 279.340%#	
35) Dibromofluoromethane	7.728	113	229428	146.994	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 293.980%#	
50) Toluene-d8	10.185	98	948529	145.149	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 290.300%#	
62) 4-Bromofluorobenzene	12.483	95	320139	141.618	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 283.240%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	259924	127.867	ug/l	100
3) Chloromethane	2.119	50	337398	147.815	ug/l	97
4) Vinyl Chloride	2.259	62	344606	132.084	ug/l	99
5) Bromomethane	2.637	94	215904	123.319	ug/l	99
6) Chloroethane	2.796	64	208319	135.739	ug/l	98
7) Trichlorofluoromethane	3.131	101	461304	135.804	ug/l	94
8) Diethyl Ether	3.533	74	158396	142.758	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	249935	138.190	ug/l	97
10) Methyl Iodide	4.100	142	315986	171.491	ug/l	94
11) Tert butyl alcohol	4.966	59	121556	665.148	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	256189	139.896	ug/l	94
13) Acrolein	3.735	56	101263	948.050	ug/l	97
14) Allyl chloride	4.485	41	521939	149.794	ug/l	95
15) Acrylonitrile	5.173	53	420359	725.066	ug/l	99
16) Acetone	3.954	43	402043	702.871	ug/l	97
17) Carbon Disulfide	4.204	76	848178	137.142	ug/l	100
18) Methyl Acetate	4.485	43	285641	146.765	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	781573	148.508	ug/l	100
20) Methylene Chloride	4.728	84	280049	124.009	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	290445	143.193	ug/l	99
22) Diisopropyl ether	6.131	45	1012767	146.489	ug/l	93
23) Vinyl Acetate	6.070	43	3051896	739.879	ug/l	99
24) 1,1-Dichloroethane	6.027	63	535554	144.563	ug/l	98
25) 2-Butanone	6.996	43	584462	725.954	ug/l	96
26) 2,2-Dichloropropane	6.984	77	480107	139.316	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	329866	145.989	ug/l	96
28) Bromochloromethane	7.344	49	229068	152.039	ug/l	98
29) Tetrahydrofuran	7.356	42	367144	724.303	ug/l	97
30) Chloroform	7.514	83	527184	142.602	ug/l	100
31) Cyclohexane	7.789	56	525496	129.675	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	488091	141.652	ug/l	98
36) 1,1-Dichloropropene	7.923	75	424765	145.315	ug/l	100
37) Ethyl Acetate	7.082	43	243649	145.746	ug/l	98
38) Carbon Tetrachloride	7.905	117	443238	143.851	ug/l	97
39) Methylcyclohexane	9.185	83	530185	145.599	ug/l	100
40) Benzene	8.167	78	1213768	145.784	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	155853m	141.749	ug/l	
42) 1,2-Dichloroethane	8.240	62	386397	143.986	ug/l	97
43) Isopropyl Acetate	8.277	43	488195	149.571	ug/l	97
44) Trichloroethene	8.947	130	306247	142.105	ug/l	98
45) 1,2-Dichloropropane	9.222	63	303141	150.756	ug/l	96
46) Dibromomethane	9.313	93	158836	143.711	ug/l	98
47) Bromodichloromethane	9.502	83	414793	148.258	ug/l	97
48) Methyl methacrylate	9.295	41	233057	149.891	ug/l	95
49) 1,4-Dioxane	9.307	88	40427	2858.222	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	1243253	739.515	ug/l	96
52) Toluene	10.246	92	752254	146.346	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	451117	149.651	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	494871	148.116	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	220929	143.209	ug/l	99
56) Ethyl methacrylate	10.514	69	348028	152.483	ug/l	94
57) 1,3-Dichloropropane	10.794	76	400600	145.175	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	847155	755.975	ug/l	100
59) 2-Hexanone	10.837	43	869718	719.642	ug/l	96
60) Dibromochloromethane	10.989	129	274472	148.504	ug/l	100
61) 1,2-Dibromoethane	11.093	107	209921	143.958	ug/l	100
64) Tetrachloroethene	10.721	164	294191	132.849	ug/l	99
65) Chlorobenzene	11.520	112	772546	143.941	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	290890	150.224	ug/l	98
67) Ethyl Benzene	11.593	91	1491589	149.380	ug/l	100
68) m/p-Xylenes	11.703	106	1124991	298.425	ug/l	98
69) o-Xylene	12.032	106	535263	149.807	ug/l	98
70) Styrene	12.044	104	922309	153.047	ug/l	99
71) Bromoform	12.209	173	177994	146.273	ug/l #	98
73) Isopropylbenzene	12.331	105	1381649	151.267	ug/l	100
74) N-amyl acetate	12.148	43	433796	154.076	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	248441	150.312	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	182187m	304.890	ug/l	
77) Bromobenzene	12.611	156	322261	149.173	ug/l	99
78) n-propylbenzene	12.672	91	1682910	149.261	ug/l	100
79) 2-Chlorotoluene	12.757	91	936195	149.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1141592	149.250	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	96926	155.087	ug/l	94
82) 4-Chlorotoluene	12.855	91	962465	148.255	ug/l	99
83) tert-Butylbenzene	13.074	119	968996	145.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1136398	149.541	ug/l	99
85) sec-Butylbenzene	13.257	105	1451668	145.412	ug/l	100
86) p-Isopropyltoluene	13.373	119	1246535	148.087	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	630344	147.045	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	605417	141.701	ug/l	98
89) n-Butylbenzene	13.696	91	1166270	145.918	ug/l	99
90) Hexachloroethane	13.965	117	221997	144.446	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	539898	143.058	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	45949	144.929	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	363609	143.009	ug/l	100
94) Hexachlorobutadiene	15.111	225	226578	137.310	ug/l	99
95) Naphthalene	15.239	128	734524	148.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	318150	140.822	ug/l	100

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

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